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3 **PROGRAMMATIC AGREEMENT**

4 **AMONG**

5 **THE TENNESSEE VALLEY AUTHORITY, THE ADVISORY COUNCIL ON HISTORIC**  
6 **PRESERVATION, AND THE STATE HISTORIC PRESERVATION OFFICERS OF ALABAMA,**  
7 **GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, TENNESSEE AND VIRGINIA,**  
8 **AND FEDERALLY RECOGNIZED TRIBES REGARDING UNDERTAKINGS SUBJECT TO**  
9 **SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT OF 1966**  
10

11  
12 WHEREAS 1, the Tennessee Valley Authority (TVA) is a federal agency and instrumentality of the  
13 United States, created by and existing pursuant to the TVA Act (1933) to foster the social and  
14 economic welfare of the people in the Tennessee River Valley, promote stewardship of the region's  
15 natural resources, provide low cost energy, and improve flood control and navigation of the  
16 Tennessee River and its tributaries; and,  
17

18 WHEREAS 2, TVA operates and maintains the nation's largest public power system, including  
19 hydropower, coal, gas, nuclear, solar and wind generation facilities, auxiliary structures and  
20 electrical distribution lines and facilities; and,  
21

22 WHEREAS 3, TVA is charged with managing approximately 293,000 acres of public lands, 38,000  
23 acres of power and commercial lands, 30 million square feet of buildings and structures, 470,000  
24 acres of inundated land, 11,700 archeological sites; and with maintaining approximately 237,000  
25 acres of transmission line rights-of-way (ROW's) easements, collectively over 16,200 circuit miles;  
26 and,  
27

28 WHEREAS 4, TVA's approval is required in the form of a permit under Section 26a of the TVA Act,  
29 16 U.S.C. § 831y-1, prior to the construction, operation and maintenance of any dam, appurtenant  
30 works or other obstruction affecting navigation, flood control, public lands or reservations across,  
31 along, or in the Tennessee River or its tributaries; and,  
32

33 WHEREAS 5, TVA provides economic development and renewable energy incentives to  
34 communities, private stakeholders and other eligible entities; and,  
35

36 WHEREAS 6, TVA has obligations under the TVA Act, the National Environmental Policy Act  
37 (NEPA), the National Historic Preservation Act of 1966 (NHPA), the Archaeological Resources  
38 Protection Act (ARPA), the Native American Graves Protection and Repatriation Act (NAGPRA),  
39 the Historic Sites Act of 1935, the Antiquities Act, the American Indian Religious Freedom Act, the  
40 Religious Freedom Restoration Act, Executive Order (EO) 13007 ("Indian Sacred Sites"), EO  
41 13287 ("Preserve America"), EO 13175 ("Consultation and Coordination with Indian Tribal  
42 Governments"), and related authorities; and,  
43

WHEREAS 7, TVA has determined that the undertakings subject to review under Section 106 of the NHPA and regulations implementing the Act (36 CFR Part 800) and identified in this Programmatic Agreement (PA) under Appendices A and B are those resulting from TVA's operation and maintenance of its power system, land management activities, issuance of 26a permits, and providing grants and funds to third parties. Each of these functional groups has numerous associated activities that may affect historic properties. "Undertaking" for purposes of this PA is defined under 36 CFR § 800.16(y); and,

WHEREAS 8, TVA's undertakings include a large number of activities that have the potential to affect historic properties (as defined under 36 CFR § 800.16(l)(1)), but that are similar or repetitive in nature or constitute routine management activities; and,

WHEREAS 9, 36 CFR § 800.14(b) allows federal agencies to develop alternative procedures to implement Section 106 if those procedures are consistent with the Advisory Council on Historic Preservation's (ACHP) regulations, pursuant to Section 110(a)(2)(E) of the NHPA; and,

WHEREAS 10, TVA may use this PA to fulfill its Section 106 responsibilities as may other federal agencies that designate TVA as the lead federal agency pursuant to 36 CFR § 800.2(a)(2) for the activities described in this PA; and,

WHEREAS 11, the ACHP has agreed to participate in the development and execution of this PA; and,

WHEREAS 12, TVA has consulted with the Alabama State Historic Preservation Officer (SHPO), Georgia SHPO, Kentucky SHPO, Mississippi SHPO, North Carolina SHPO, Tennessee SHPO, and Virginia SHPO (collectively "the SHPOs") in the development of the terms of this PA; and,

WHEREAS 13, TVA recognizes the unique legal relationship of the Federal Government with federally recognized Indian Tribes as set forth in the Constitution of the United States, treaties, statutes, and court decisions; and that consultation with Tribes must, therefore, recognize the government-to-government relationship between the Federal government and Tribes; and,

WHEREAS 14, TVA acknowledges that the federally recognized Indian Tribes possess special expertise in assessing the eligibility of historic properties that may possess religious and cultural significance to them as provided in 36 CFR § 800.4(c)(1); and,

WHEREAS 15, TVA has consulted with those federally recognized Tribes that have expressed an interest in TVA's power service area (PSA), viz. Absentee-Shawnee Tribe of Oklahoma, Alabama-Coushatta Tribe of Texas, Alabama-Quassarte Tribal Town, Cherokee Nation, Choctaw Nation of Oklahoma, Coushatta Tribe of Louisiana, Eastern Band of Cherokee Indians, Eastern Shawnee Tribe of Oklahoma, Jena Band of Choctaw Indians, Kialegee Tribal Town, Mississippi Band of Choctaw Indians, Muscogee (Creek) Nation, Poarch Band of Creek Indians, Seminole Nation of Oklahoma, Shawnee Tribe, The Chickasaw Nation, Thlopthlocco Tribal Town, and United Keetoowah Band of Cherokee Indians in Oklahoma (collectively "Tribes"); and,

88  
89 WHEREAS 16, the Tribes agreed to participate in the development of this PA and have been  
90 invited to be signatories; and,

91  
92 WHEREAS 17, this PA will not apply to proposed TVA undertakings located on or affecting historic  
93 properties on tribal lands as defined by 36 CFR § 800.16(x); and,

94  
95 WHEREAS 18, TVA, ACHP, the SHPOs and invited signatories (collectively “the Signatories”)  
96 determined that, pursuant to 36 CFR § 800.14(b)(1), the requirements of Section 106 can be more  
97 effectively and efficiently fulfilled under a PA for activities that are similar and repetitive in nature  
98 by stipulating roles and responsibilities, exempting certain categories of activities from the normal  
99 Section 106 process, establishing protocols for consultation facilitating the identification and  
100 evaluation of historic properties, and improving the resolution of adverse effects; and,

101  
102 WHEREAS 19, the Signatories determined, pursuant to 36 CFR § 800.14(c)(1), that the  
103 requirements of Section 106 can be effectively and efficiently fulfilled under a PA by exempting a  
104 category of undertakings when the potential effects of the undertakings within the category upon  
105 historic properties are foreseeable and likely to be minimal; and,

106  
107 WHEREAS 20, TVA solicited comments from various stakeholders, affected local governments,  
108 and the public by posting the draft PA on its public website for a period of at least 30 days, with  
109 affirmative advance notice to individuals and organizations with known or anticipated interest in  
110 undertakings within TVA’s PSA; and,

111  
112 WHEREAS 21, {to be enumerated} have requested to be concurring parties to this PA; and,

113  
114 NOW, THEREFORE, the Signatories mutually agree that TVA, consistent with the provisions of  
115 36 CFR § 800.14(b), will meet its responsibilities under Section 106 of the NHPA through  
116 adherence to this PA, rather than by following the procedure set forth in 36 CFR §§ 800.3 through  
117 800.7. TVA will integrate the manner in which it meets its historic preservation responsibilities as  
118 fully as possible with its other responsibilities under the TVA Act, TVA’s Natural Resource Plan  
119 (NRP), other executed PA’s, NEPA other statutory authorities, executive orders and federal  
120 policies. TVA will ensure the following measures are carried out:

## STIPULATIONS

### I. Purpose and Need

- A. As TVA's undertakings encompass a diverse set of projects across seven states, this PA identifies procedures that TVA will use to meet its responsibilities under Section 106 for certain categories of undertakings (Appendices A and B) in TVA's PSA (Appendix C), and to establish an internal review process for such undertakings.
- B. This PA addresses Section 106 NHPA compliance only and does not address TVA's compliance with Section 110 of NHPA, or with ARPA or NAGPRA.
- C. TVA will use the PA to increase efficiency of the Section 106 process by:
  - 1. Identifying categories of activities that are unlikely to affect historic properties if present, and exempt undertakings within these categories from review under Section 106. A list of exempted undertakings is included in Appendix A.
  - 2. Identifying repetitive activities that require further review by TVA Cultural Resources Staff (CRS). A list of repetitive undertakings requiring further review is included in Appendix B.

### II. Roles and Responsibilities

- A. TVA: Pursuant to federal responsibilities set out in the NHPA and ACHP's regulations at 36 CFR Part 800 , TVA shall:
  - 1. Ensure that CRS assessing TVA undertakings under Section 106 meet the Secretary of Interior's *Standards and Guidelines for Archaeology and Historic Preservation, Professional Qualifications for Archeologists and/or Historians* (48 FR 44738-44739) (SOI Standards) or demonstrate equivalency in terms of years of experience. Demonstrated equivalency refers to a bachelor's degree in archaeology, anthropology, or closely related field plus at least five years of full-time professional experience and specialized Section 106 training. TVA shall apply these standards in a manner commensurate with: 1) the nature and complexity of the activity or the property or resource being investigated or treated, and 2) the knowledge and expertise needed to complete the work. CRS staff will ensure that external contractors conducting cultural resource surveys meet SOI standards.
  - 2. Determine the Area of Potential Effects (APE) for Appendix B activities.
  - 3. Make a reasonable and good faith effort to identify historic properties pursuant to 36 CFR § 800.4(b). The identification effort will take into account the nature and scale of the undertaking, the degree of federal involvement, the nature and extent of potential

- 166 effects on historic properties within the APE, and applicable state and tribal guidance.  
167 TVA shall ensure that all documentation resulting from undertakings reviewed  
168 pursuant to this PA is consistent with 36 CFR § 800.11.  
169
- 170 4. Assess the eligibility of historic properties within an undertaking's APE for listing on  
171 the National Register of Historic Places (NRHP) and coordinate the eligibility  
172 determinations with the appropriate SHPO and Tribes.  
173
  - 174 5. Seek to avoid or minimize adverse effects to historic properties, realizing that given  
175 TVA's operational requirements, some adverse effect may be unavoidable. If adverse  
176 effects cannot be avoided or minimized, TVA, would develop appropriate mitigation  
177 measures in consultation with the appropriate SHPO and Tribes.  
178
  - 179 6. Ensure compliance with Section 304 of NHPA (54 U.S.C. § 307103) and Section 9 of  
180 the ARPA (16 U.S.C. § 470hh).  
181
  - 182 7. Provide the Signatories with an annual report as outlined in Stipulation IV.  
183
  - 184 8. Not grant a loan, loan guarantee, permit, license, or other assistance to an applicant  
185 who has intentionally, significantly and adversely affected a historic property, pursuant  
186 to 36 CFR § 800.9(c)(1), to which the grant would relate; or having legal power to  
187 prevent it, has allowed a significant adverse effect to occur. However, if after  
188 consultation with the SHPO, Tribes, and ACHP; TVA determines that extraordinary  
189 circumstances justify granting such assistance despite the adverse effect created by  
190 the applicant, TVA shall complete consultation for the undertaking pursuant to the  
191 terms of this PA and Section 106 of the NHPA.  
192
  - 193 9. Identify consulting parties, including any communities, organizations, or individuals  
194 that may have an interest in a specific undertaking and its effects on historic properties.  
195
  - 196 10. Plan and lead annual effectiveness reviews of this PA.  
197
- 198 B. SHPO Pursuant to responsibilities set out in the NHPA and the ACHP's regulations at 36  
199 CFR Part 800, the appropriate SHPO(s) shall:  
200
- 201 1. Review TVA's determination of APE, National Register eligibility determinations and  
202 effect findings for undertakings subject to the Standard Review Process, and provide  
203 comments within the timeframes required by the regulations.  
204
  - 205 2. Participate in reviews of the effectiveness of this PA.  
206
  - 207 3. Coordinate with and assist TVA in identifying consulting parties, including any  
208 communities, organizations, or individuals that may have an interest in a specific

undertaking and its effects on historic properties for undertakings subject to the Standard Review Process.

4. Designate a lead SHPO, if beneficial, to act on the behalf of all SHPOs for TVA undertakings involving multiple states (36 CFR § 800.3(c)(2)).

C. ACHP: Pursuant to responsibilities set out in the NHPA and 36 CFR Part 800, ACHP shall:

1. Provide technical guidance, and participate in dispute resolution and reviews of the effectiveness of this PA.
2. Participate as a consulting party in review of select undertakings that meet one or more of the *Criteria for Council Involvement in Reviewing Individual Section 106 Cases* (36 CFR Part 800 Appendix A).
3. Inform TVA of emerging issues, policies, training, working groups or guidelines applicable to Section 106 of the NHPA.

D. Tribes:

1. Review National Register eligibility determinations, identify concerns about historic properties, including those of traditional religious and cultural significance, and provide comments on TVA's findings in accordance with this PA.
2. Participate in reviews of the effectiveness of this PA.

### III. Section 106 Review Process

A. Categories of Undertakings for purposes of this PA:

1. Appendix A: Activities determined in consultation between TVA and the Signatories to be unlikely to affect historic properties and therefore are exempted from further review.
  - a) No further review or consultation is required so long as activities fall within parameters described in Appendix A.
  - b) Undertakings carried out by TVA that fall in Appendix A will be listed in the annual report.
2. Appendix B: Activities that will be reviewed by TVA, but will not require consultation with the Signatories as long as they fall within parameters described in Appendix B.
  - a) For activities determined by TVA to fall under Appendix B, TVA will follow the review process described in Stipulation III.C.

- 252
- 253 b) If Appendix B cannot be implemented in accordance with requirements described
- 254 in Stipulation III.C, TVA will follow the Standard Review Process outlined under
- 255 Stipulation III.D.
- 256
- 257 c) Undertakings carried out by TVA that fall under the activities listed in Appendix B
- 258 will be listed in the annual report.
- 259
- 260 3. All projects that are not listed under Appendix A or B will proceed under Stipulation
- 261 III.D.
- 262
- 263 B. Determine APE
- 264
- 265 1. If an undertaking has potential to cause effects to historic properties, and is not exempt
- 266 from further review pursuant to Stipulation III.A.1, TVA will determine the APE to
- 267 include all geographic areas within which the undertaking may directly or indirectly
- 268 cause alterations in character or use of historic properties. The APE is influenced by
- 269 the scale and nature of an undertaking, and may be altered to reflect differences in
- 270 effects caused by the undertaking.
- 271
- 272 2. The APE can include lands held in fee by the U.S. Government, lands in which the
- 273 U.S. Government holds a real property interest other than fee title, as well as private
- 274 or public lands for which the U.S. Government currently holds no property interest or
- 275 access rights.
- 276
- 277 3. The APE for direct effects is limited to the area of potential physical ground disturbance
- 278 and any property, structure or portion thereof that will be physically altered, destroyed,
- 279 or changed in use by the undertaking.
- 280
- 281 4. The APE for indirect (including visual, audible, and atmospheric) effects is the
- 282 geographic area in which the undertaking has potential to introduce visual, audible, or
- 283 atmospheric elements that diminish or alter the setting, including landscape, where
- 284 the setting is a contributing quality to an eligible or listed property.
- 285
- 286 5. Unless otherwise established through consultation with the SHPO and Tribes, the
- 287 presumed APE for visual effects for construction of new facilities 200 feet or less in
- 288 overall height would be a ½ mile radius within the visual line of sight from the proposed
- 289 activity.
- 290
- 291 6. For undertakings under Appendix B, TVA will make APE determinations. The
- 292 documentation for APE determination will be included in the annual report. For
- 293 undertakings subject to Stipulation III.D. TVA will consult with SHPO and Tribes
- 294 regarding the APE determination.
- 295

296 7. CRS will provide updated site file information to the States.

297  
298 C. Identification, Evaluation and Consultation Process for Appendix B Activities

299  
300 1. Background Review Process:

301  
302 TVA CRS will conduct background research consistent with 36 CFR §§ 800.4(a)(2-4)  
303 to determine the likelihood that historic properties are present within the APE.

304  
305 a) Background research can include, but is not limited to, survey records of past  
306 identification efforts and other information on previously identified resources in the  
307 area, topographic maps, satellite/aerial images, historic maps, tax records, state  
308 site files, state architectural files, soil maps, TVA land acquisition maps, local  
309 informants, oral histories, potential for an area to be historically significant as a  
310 Traditional Cultural Property (TCP) based on information provided by consulting  
311 parties, photographs and documentation depicting past and current land  
312 conditions, and other relevant resources.

313  
314 b) TVA will find that no historic properties will be affected if background research  
315 indicates that at least one of the following conditions are met:

316  
317 i. For undertakings that have the potential to affect below ground resources:

318  
319 a. Adequate archaeological surveys were performed previously within the  
320 APE and no archaeological sites have been identified in the APE with the  
321 exception of previously determined NRHP ineligible sites.

322  
323 b. The land within the APE has been subject to significant ground disturbance  
324 such as strip mining, extensive grading, trenching, major construction, or  
325 severe erosion.

326  
327 c. The APE clearly lacks stable land surfaces, buried Holocene deposits,  
328 rockshelters and other conditions that could allow a prehistoric or historic  
329 occupation to be identified.

330  
331 ii. For undertakings that have the potential to directly or indirectly affect above  
332 ground resources:

333  
334 a. Adequate architectural surveys were performed previously in the APE  
335 within the past 10 years by individuals meeting the Secretary of the  
336 Interior's Qualification Standards for historic preservation and no eligible or  
337 listed historic structures were identified.



- b. Comparison of maps, tax records, and/or aerial imagery (aerial photographs or satellite images) older than and younger than 50 years indicates a lack of extant structures older than 50 years in the APE.

2. Field Reconnaissance Process:

If after conducting background research, TVA determines none of the above conditions are met, then TVA will conduct a field reconnaissance survey in accordance with the *Secretary of Interior's Standards for Archaeology and Historic Preservation* and relevant state-recommended minimum guidelines and standards. If TVA conducts a reconnaissance, it will be completed by TVA CRS or TVA-approved contractors. The results of the reconnaissance will be evaluated as follows:

- a) If the field reconnaissance does not result in the identification of any archaeological sites or historic structures, then TVA will make a finding of no effect to historic properties.
  - b) If the field reconnaissance identifies one or more archaeological sites or historic structures that are or may be eligible for inclusion in the NRHP, and/or identifies a moderate or higher potential for the presence of buried archaeological sites in the APE, then TVA shall complete one of the following steps:
    - i. Avoid the site or modify the project to meet requirements for an Appendix A activity.
    - ii. Consult on the undertaking's potential to affect historic properties using the standard review process (Stipulation IIID).
3. The basis of TVA's finding of no historic properties affected will be documented in TVA's Cultural Resource Database (Appendix D) and will be provided to the Signatories in the annual report.

D. Review Process for Undertakings not Covered by Appendix A or B.

1. If an activity does not fall within Appendix A or B, or falls within Appendix B and archaeological sites or above ground resources are identified and cannot be avoided, TVA will follow the review process set out in 36 CFR §§ 800.3-800.7. These steps will include delineation of the APE, identification of historic properties, and avoidance of adverse effects where possible, or resolution of adverse effects through consultation with the appropriate SHPO and Tribes.
2. TVA at its discretion may use a consolidated consultation process pursuant to 36 CFR § 800.3(g), and provide the SHPO and Tribes with documentation and a request for concurrence with findings and recommendations that address multiple steps in 36

CFR §§ 800.3-800.6. When using consolidated consultation, TVA will provide documentation in accordance to CFR § 800.11 and applicable SHPO standards.

3. Where the undertaking under consideration involves corridors (such as those for transmission lines) or large land areas, TVA may at its discretion use a phased process for identification and evaluation of effects to historic properties as provided in 36 CFR § 800.4(b)(2) and § 800.5(a)(3). Under a phased approach, TVA may proceed with the implementation of certain phases of the project for which the Section 106 process has been completed provided that proceeding with one phase of a project does not preclude the possibility of avoidance of known and as-yet unidentified or evaluated historic properties within the APE of additional phases of the project. TVA will provide the SHPO and Tribes written notification that they are proceeding under this approach.

#### IV. Reports

- A. TVA shall provide the Signatories an annual report by January 30 for each fiscal year (October 1 - September 30) that this PA remains in effect. The report will summarize each activity undertaken during the fiscal year for which TVA relied on the categories in Appendix B for fulfilling its Section 106 obligations. The report will contain digital optical character recognition pdf and spatial data for each activity. The report will be included with the National Resource Plan that incorporates other TVA Cultural Resource stewardship activities. The report will also include updates on training, staff changes, and procedures that are developed as a result of the PA. The annual report will include an entry for each activity listed in Appendix B and reviewed pursuant to Stipulation III.C during the fiscal year, including:
  1. Project name, site and description and size
  2. APE depicted on a USGS map with coordinates
  3. Reference to any previous surveys
  4. Topographical description
  5. Current land use and previous disturbance
  6. Results of field surveys
  7. Basis of No Historic Properties Effected finding
- B. The annual report will include a table with an entry for each activity categorized as an activity listed in Appendix A and reviewed pursuant to Stipulation III.A.1. The table will include:

427 1. Name/Title of the undertaking

428  
429 2. Applicable activity listed in Appendix A

430  
431 3. State and County location

432  
433 C. Signatories will have 30 days to submit comments on the annual report. TVA will respond  
434 to comments within 30 days.

435  
436 D. TVA and the Signatories to this PA shall consult via telecommunication within 6 months  
437 upon the execution of the PA and annually thereafter to review implementation of the terms  
438 of this PA.

439  
440 **V. Lead Federal Agency**

441  
442 A. TVA may use this PA to fulfill its Section 106 responsibilities and those of other federal  
443 agencies that designate TVA as the lead federal agency pursuant to 36 CFR § 800.2(a)(2)  
444 for the undertakings described in this PA. Identification of the Lead Federal agency shall  
445 be provided to the appropriate SHPO(s) via email.

446  
447 B. If another federal agency has concluded its Section 106 review during the past five years,  
448 TVA has no further obligation under Section 106 to review an undertaking of its own that  
449 would be subject to this PA if TVA confirms that the scope and effect, as defined by 36  
450 CFR § 800.16(i), of its undertaking are substantially similar as that of the undertaking  
451 reviewed by the previous agency; the passage of time does not require any new or  
452 additional identification of historic properties; the SHPO and Tribes are made aware of  
453 TVA's plans; and the previous agency's consultation and concurrence is documented. TVA  
454 shall document these occurrences in the annual report. Should TVA determine that the  
455 previous Section 106 review was insufficient or involved interagency disagreements about  
456 eligibility, effect, and/or treatment measures, TVA shall conduct additional Section 106  
457 consultation for its undertaking in accordance with the terms of this PA.

458  
459 **VI. Curation**

460  
461 A. TVA shall ensure that any archaeological material and associated records recovered from  
462 TVA land will be permanently curated in one of its primary repositories and in accordance  
463 with the requirements in 36 CFR Part 79.

464  
465 B. If archaeological materials are recovered from private lands as a result of a TVA  
466 undertaking, TVA shall encourage the curation of those archaeological materials collected  
467 from private lands (with the exception of NAGPRA human remains and NAGPRA cultural  
468 items, which are addressed in Stipulation XI) at a repository that meets the requirements  
469 in 36 CFR Part 79.

C. For data recovery projects specific curation facilities will be determined during development of a memorandum of agreement for that specific undertaking in consultation with the appropriate SHPO and Tribes.

## **VII. Training**

TVA shall design and administer training to appropriate TVA staff and contractors. The training will address at a minimum the procedures to be used for meeting TVA's obligations under Section 106 for activities covered in this PA. TVA will seek comment from the Signatories on this training. Updates on the training will be provided in the annual report.

## **VIII. Coordination with TVA's Cultural Resource Management Plan**

To the extent practicable, TVA will incorporate provisions of this PA, and those of other TVA agreements relative to the NHPA, ARPA and NAGPRA into TVA's Cultural Resource Management Plan.

## **IX. Emergency Procedures**

During emergency situations at TVA, no actions necessary to protect human health, property or reliability of the transmission system will be delayed to comply with historic preservation requirements. However, TVA will notify the SHPO and Tribes of emergency activities and staff will work with emergency responders in order to, whenever reasonable, minimize the overall effect of the activities to historic properties in accordance with 36 CFR § 800.12. The effects of emergency activities will be evaluated by TVA through desktop reviews. Consultation will be conducted with the appropriate SHPO and Tribes as soon as practically possible, providing seven (7) calendar days for review if circumstances permit.

## **X. Post-review Discoveries**

TVA shall ensure that unidentified archaeological sites or historic structures discovered during the implementation of an undertaking are subject to the following measures:

- A. TVA will consult with the SHPO and Tribes in accordance with 36 CFR § 800.13.
- B. Ground-disturbing work within a 100 foot radius of the discovery will be immediately stopped, pending the completion of consultation under Stipulation X.A.

## **XI. Treatment of Human Remains**

- A. TVA shall ensure that any NAGPRA cultural items discovered on TVA lands during implementation of the terms of this PA are treated respectfully and in accordance with NAGPRA.

B. If verified human remains are identified within the APE on non-federal or tribal lands as a consequence of a TVA undertaking or an activity, TVA shall:

1. Ensure that the treatment of any human remains discovered within the APE complies with state and federal laws and respectful of tribal concerns.
2. Immediately cease ground-disturbing activities within a 100 foot radius of the remains and protect the site with temporary fencing or signage until such time as the appropriate state official can be consulted and a plan of action can be agreed upon by TVA and the relevant SHPO and Tribes; such consultation should commence within three days.

## **XII. Public Outreach and Involvement**

- A. In fulfilling its obligations for undertakings subject to the Standard Review Process, TVA shall seek the views of the public in a manner that reflects the nature, complexity, and effect(s) of the undertaking, the likely public interest, and any confidentiality concerns of Tribes, private individuals or businesses. Public participation must be undertaken by TVA in a manner that is consistent with the confidentiality provisions of 36 CFR § 800.11(c). TVA may use the agency's procedures developed pursuant to the NEPA to solicit and respond to public comment and satisfy the NHPA's public notice requirements. TVA shall consider comments provided by the public regarding the effect of the undertaking on historic properties.
- B. Appropriate SHPOs and Tribes, representatives of local governments, and applicants for federal assistance, permits, licenses and other approvals have consultative roles to play in the Section 106 process. Certain individuals or organizations with a demonstrated interest in an undertaking may also be invited to participate as consulting parties due to their legal or economic relation to the undertaking or the affected historic properties. TVA shall, except where appropriate to protect confidentiality under 36 CFR § 800.11(c), provide consulting parties with information regarding the undertaking and its effects on historic properties.

## **XIII. Administrative Conditions**

### **A. Duration**

This PA will be in effect for 10 years from the date of its execution by the Signatories unless terminated in accordance with Stipulation XIII.E. TVA will contact Signatories if amendments or revisions to the PA are necessary. One year prior to the expiration of the PA, TVA will consult with all parties to renew or revise the PA. If there are no objections from the Signatories, the terms of the PA will be extended for an additional 10 years upon written agreement of the parties.

559 B. Dispute Resolution

- 560
- 561 1. The Signatories to this PA shall attempt in good faith to resolve any dispute relating to
- 562 this PA by negotiating first between CRS staff and Agency officials. If the dispute
- 563 cannot be resolved, TVA shall forward all relevant documentation relating to the
- 564 dispute to the ACHP along with TVA's proposed resolution.
- 565
- 566 2. Within 30 days after receipt of all pertinent documentation of the dispute from TVA, the
- 567 ACHP shall exercise one of the following options:
- 568
- 569 a) Advise TVA that the ACHP concurs with TVA's proposed resolution; in this case,
- 570 TVA may proceed with the implementation of the PA in accordance with the
- 571 proposed resolution approved by the ACHP;
- 572
- 573 b) Provide TVA with recommendations, which TVA shall take into account in reaching
- 574 a final resolution to the objection; or,
- 575
- 576 c) Notify TVA that an objection will be referred to the ACHP membership for formal
- 577 comment. The Council will comment within 45 days. The resulting comment shall
- 578 be taken into account by TVA in accordance with 36 CFR § 800.7(c)(4).
- 579
- 580 3. Should the ACHP not exercise one of the above options within 30 days after receipt of
- 581 all pertinent documentation, TVA may assume ACHP's concurrence.
- 582
- 583 4. TVA shall take into account any ACHP recommendation or comment provided in
- 584 accordance with Stipulation XIII.B.2 when making its final determination, the
- 585 justification of which will be communicated in writing to all the Signatories. TVA's
- 586 responsibility to carry out all actions under this PA that are not subject to the dispute
- 587 shall remain unchanged.
- 588

589 C. Amendments

590

591 The Signatories may request that this PA, including Appendices, be amended or modified

592 as needed. The Signatories will consult to consider such amendments or modifications.

593

- 594 1. An amendment to this PA, exclusive of Appendix A and B, shall be effective once
- 595 approval is reached by all Signatories.
- 596
- 597 2. If a modification to Appendix A and B is requested:
- 598
- 599 a) Modifications may include additions, clarifications, or deletions to the activities
- 600 listed in Appendices A and B.
- 601
- 602 b) TVA shall consult with the Signatories regarding the proposed modifications.

- 603  
604 c) If no Signatory objects within 30 days to the proposed modifications, TVA shall  
605 provide a revised copy to the Signatories.  
606

607 D. Withdrawal from Participation  
608

609 Any Signatory may withdraw from this PA by providing TVA 90 calendar days written  
610 notice. TVA shall consult with the party to identify any mutually acceptable measures that  
611 would avoid the party's withdrawal. If mutually acceptable measures are identified that  
612 would require amendment to the PA, TVA will go through the Amendment procedures as  
613 outlined by Stipulation XIII.C.  
614

615 E. Termination  
616

- 617 1. If any Signatory to this PA determines that its terms cannot be carried out, that party  
618 shall immediately consult with the other signatories to attempt to develop an  
619 amendment per Stipulation XIII.C. If an amendment cannot be reached within 90 days,  
620 any Signatory may terminate their involvement upon written notification to the other  
621 Signatories.  
622
- 623 2. In the event that an individual SHPO terminates his or her involvement in this PA, TVA  
624 is responsible for consultation for individual undertakings and activities pursuant to the  
625 requirements of Section 106 and 36 CFR Part 800 within the jurisdiction of that SHPO.  
626 However, this PA will remain in effect for all other jurisdictions and may be amended  
627 as necessary to document the termination by an individual SHPO.  
628

629 F. Execution Date  
630  
631  
632  
633

**Signatories**

TENNESSEE VALLEY AUTHORITY

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title:

ADVISORY COUNCIL ON HISTORIC PRESERVATION

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: Executive Director, Advisory Council on Historic Preservation

ALABAMA STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: State Historic Preservation Officer

GEORGIA STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: State Historic Preservation Officer

KENTUCKY STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: State Historic Preservation Officer

MISSISSIPPI STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: State Historic Preservation Officer

NORTH CAROLINA STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: State Historic Preservation Officer

TENNESSEE STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: State Historic Preservation Officer



685 VIRGINIA STATE HISTORIC PRESERVATION OFFICER

686

687 By: \_\_\_\_\_ Date: \_\_\_\_\_

688

689 Title: State Historic Preservation Officer

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**Invited Signatories**

ABSENTEE-SHAWNEE TRIBE OF OKLAHOMA

By: \_\_\_\_\_ Date: \_\_\_\_\_

DRAFT

697 ALABAMA-COUSHATTA TRIBE OF TEXAS

698

699 By: \_\_\_\_\_ Date: \_\_\_\_\_

700

701

DRAFT

702 ALABAMA-QUASSARTE TRIBAL TOWN

703

704 By: \_\_\_\_\_ Date: \_\_\_\_\_

705

706

DRAFT

707 CHEROKEE NATION

708

709 By: \_\_\_\_\_ Date: \_\_\_\_\_

710

711

DRAFT

712 CHOCTAW NATION OF OKLAHOMA

713

714 By: \_\_\_\_\_ Date: \_\_\_\_\_

715

716

DRAFT

717 COUSHATTA TRIBE OF LOUISIANA

718

719 By: \_\_\_\_\_ Date: \_\_\_\_\_

720

721

DRAFT

722 EASTERN BAND OF CHEROKEE INDIANS

723

724 By: \_\_\_\_\_ Date: \_\_\_\_\_

725

726

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727 EASTERN SHAWNEE TRIBE OF OKLAHOMA

728

729 By: \_\_\_\_\_ Date: \_\_\_\_\_

730

731

DRAFT

732 JENA BAND OF CHOCTAW INDIANS

733

734 By: \_\_\_\_\_ Date: \_\_\_\_\_

735

736

DRAFT

737 KIALEGEE TRIBAL TOWN

738

739 By: \_\_\_\_\_ Date: \_\_\_\_\_

740

741

DRAFT

742 MISSISSIPPI BAND OF CHOCTAW INDIANS

743

744 By: \_\_\_\_\_ Date: \_\_\_\_\_

745

746

DRAFT

747 MUSCOGEE (CREEK) NATION

748

749 By: \_\_\_\_\_ Date: \_\_\_\_\_

750

751

DRAFT

752 POARCH BAND OF CREEK INDIANS

753

754 By: \_\_\_\_\_ Date: \_\_\_\_\_

755

756

DRAFT

757 SEMINOLE NATION OF OKLAHOMA

758

759 By: \_\_\_\_\_ Date: \_\_\_\_\_

760

761

DRAFT

762 SHAWNEE TRIBE

763

764 By: \_\_\_\_\_ Date: \_\_\_\_\_

765

766

DRAFT



767 THE CHICKASAW NATION

768

769 By: \_\_\_\_\_ Date: \_\_\_\_\_

770

771

DRAFT

772 THLOPTHLOCCO TRIBAL TOWN

773

774 By: \_\_\_\_\_ Date: \_\_\_\_\_

775

776

DRAFT

777 UNITED KEETOOWAH BAND OF CHEROKEE INDIANS IN OKLAHOMA

778

779 By: \_\_\_\_\_ Date: \_\_\_\_\_

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780  
781 **Appendix A - Activities Unlikely to Affect Historic Properties.**  
782

783 Activities within Appendix A, in consultation between TVA and the Signatories, have been  
784 determined as unlikely to affect historic properties if present and are therefore exempted from  
785 further review. Work associated with Appendix A activities would be done by hand or involve  
786 lightweight vehicles (ATV's, light-duty and standard trucks) or low ground pressure equipment  
787 (e.g., using rubberized tracks or weight dispersing tires). Matting could be used to prevent ground  
788 disturbance when using heavy-duty equipment, as warranted. Visual inspections of soil/hydraulic  
789 conditions will be used to determine times for work activities; adhering to work in dry conditions  
790 when practicable. All work on historic structures would be performed in accordance with Secretary  
791 of Interior Standards. If these conditions cannot be met, these activities would be included under  
792 Appendix B.  
793

794 **A. Land Management and Improvements**  
795

- 796 1. In-kind repair of existing concrete or asphalt curbs, gutters where no new ground  
797 disturbance is proposed.
- 798 2. Installation of curb cuts under the American Disabilities Act.
- 799 3. Activities establishing and maintaining vegetation limited to broadcast or no-till seeding,  
800 with minimal seed bed preparation; grass plugs, aeration, spreading of mulch, fertilization,  
801 mowing, bush hogging, chain sawing, herbicide application, hand removal of vegetation  
802 using a weed wrench, and hand pruning with the exception of activities occurring within  
803 cemeteries or other previously flagged sensitive areas.
- 804 4. Maintenance and in-kind, in-place repair of existing fencing and installation of a post or  
805 fencing.
- 806 5. Installation of gates within existing fences, or repair and replacement of gates on access  
807 roads or along corridors within the zone of initial disturbance.
- 808 6. Mitigation of hazard trees or removal of individual trees, cut at the base of the trunk, or  
809 trimming of branches.
- 810 7. Installation of new single-post signs (channel, t-post, Carsonite posts) four inches in  
811 diameter or less.
- 812 8. Installation of floating buoys.
- 813 9. Maintenance within an existing trail that does not result in additional ground disturbance  
814 beyond that of the established trail.
- 815 10. Maintenance or replacement of park or playground equipment involving no new ground  
816 disturbance.
- 817 11. Road maintenance, surface water control, soil erosion control, regrading, resurfacing and  
818 maintenance of ditches, guard rails, culverts and bank/cut slopes that does not result in  
819 additional ground disturbance beyond that incurred when the road and associated  
820 appurtenant works were established.
- 821 12. Use of gravel pits including further materials extraction and stockpiling within the pit, where  
822 no horizontal expansion of the pit area will occur.
- 823 13. In-kind repair and replacement of exterior lighting.

14. In-kind repairs and replacement of walks, steps, and retaining walls, less than 50 years or not eligible under Criteria Consideration G (See Appendix E - Glossary).
15. Removal and restoration of litter, trash and dump sites absent of new ground disturbance and dump sites can be reasonably demonstrated as recent occurrences.
16. Temporary actions not involving modification of an existing structure, or ground disturbance (e.g., placement of traffic cones, racing events, obstacle courses).
17. Plugging and abandonment of boreholes and groundwater monitoring wells.
18. Establishment and use of temporary material laydown yard on paved, graveled, compacted or fill-covered surfaces.
19. Removal of silt and debris from catch basins, drainage systems, and sumps.
20. Acquisition of commercial fill from approved sites holding valid permits.
21. Prescribed burns and placement of fire lanes in areas that have been previously reviewed and cleared by TVA CRS.

**B. Building Maintenance and Rehabilitation (all work would be confined within existing facilities)**

1. Except for construction of new additions, all renovation, maintenance, or internal changes of an existing facility less than 50 years old and not meeting Criteria Consideration G, or properties that are greater than 50 years old and have been previously determined, in consultation, to be ineligible for the National Register or non-contributing buildings including those made part of Appendix F and G.
2. Demolition, removal and/or disposal of temporary buildings (e.g., trailers, mobile units or similar structures) involving no ground disturbance.
3. Maintenance, installation, relocation, removal and repair of equipment, facility components, and associated systems not limited to equipment such as jib cranes, gantry cranes, motors, valves, shredders, compressors, pumps, castors, power supplies, lathes, saws, shears, presses, welding equipment, dust collectors, ladders, rails, dryboxes and vent systems.
4. Repair or in-kind replacement of existing signs or awnings.
5. Replacing or installing caulking and weather stripping around windows, doors, walls, and roofs. NOTE: replacing caulking has been applied to masonry joints instead of properly repointing deteriorated joints would not be considered routine maintenance.
6. Removal of exterior or interior paint by non-destructive means, limited to hand scraping, low pressure water wash (<200 pounds per square inch (psi)), use of a needle gun, or paint-removal chemicals.
7. Installation, replacement or repair of existing plumbing, HVAC systems, electrical wiring and fire protection systems, provided no alterations to character-defining features or damage to historic fabrics (See Appendix E - Glossary) are involved.
8. Maintenance, repair, removal, modification, upgrading or replacement of plant and building electrical systems (e.g., arc flash testing, building conduit, wiring, lighting etc. provided no damage to the historic fabric of the site would be required).
9. Siting, installation, maintenance, repair, removal or replacement of communications and computer systems, including facsimile systems, microwave and radio systems, fiber-optic

- cables, and phone systems where no ground disturbance would occur or have an effect to historic fabric of the structure or character-defining spaces.
10. Repair of underground utilities contained within the documented area of disturbance.
  11. Except for within public spaces, routine installation, upgrades, replacements and/or modifications in structures including fire dampers; exit lights, fire protection systems; fires fire alarm systems; sprinkler systems; anti-freezing devices in existing sprinkler systems, corridors, stairways; fire alarm systems; smoke detectors, motion detectors, security devices, fire hydrants and associated piping; and emergency generators. Modification, repair or replacement of in-kind of hydroelectric equipment such as turbines, generators, intake valves, surge tanks, pumps, spillway gates, sluice gates and radial gates, trash removal equipment (rakes, racks, and hoists) , gantry cranes, and control panels.
  12. Installation or modification of personnel safety systems and devices, including safety showers, eye washes, fume hoods, radiation monitoring devices, sprinkler systems, emergency exit lighting systems, emergency ingress/egress routes; surveillance systems; protective additions to electrical equipment; personnel accountability/assembly systems and stations; improvement to walking and working surfaces or areas; floor finishes, ceiling and wall finishes, anchoring floor mats, fabrication and installation of platforms, rails, shields and guards, ladders; and stairway modifications and installations.
  13. Adding new instruments within non-public spaces not visible externally.
  14. Automating existing instrumentation not requiring conduit.
  15. Testing on existing instrumentation using water, where no ground disturbance is required.
  16. De-stressing existing post-tensioning anchors.
  17. Cutting a slot in a concrete dam which is experiencing concrete growth in cases where a slot was installed previously.
  18. Construction or installation of underground features within a documented area of disturbance or entirely within fill, including trenching, test pits or boring.
  19. Underwater repairs to concrete structures at an elevation below normal operating lake elevations.
  20. In-kind replacement of instrumentation or a component of an instrument.
  21. Except for in public spaces, welding of steel features where repairs are needed to restore to original loading capacity.
  22. Grouting in a concrete dam to repair small leaks.
  23. In-kind repairs or replacement of pumps, valves, gates, generators, cranes, and other mechanical and electrical equipment.
  24. Installation of platforms or ladders within a concrete dam or intake tower, not within a powerhouse, nor visible exterior to a dam.
  25. Adding signage to non-public spaces of a facility, or in-kind replacement of signs.
  26. Installation of temporary floating caisson or trash boom.
  27. Installation of rock bolts in a rock slope at a dam.

### **C. Permitting**

1. Above ground fiber optic cable and broadband on existing structures.

2. Renewals or transfer of ownership of permits that have been previously reviewed where the footprint of the project and associated actions do not change.
3. Issuance of new or renewal easements and leases that do not authorize activities outside of Appendix A; or those where Section 106 consultation with the SHPO has been previously completed.

#### **D. Operation and Maintenance of Substations and Switchyards**

1. Maintenance, testing, removal, relocation, conveyance, exchange (within an existing substation), and replacement of substation equipment including but not limited to propane tanks, transformers, arresters, fuses, relays, transducers, regulators, converters, isolators, piping, wave traps, batteries, breakers, bushings, valves, switches, wiring, or capacitor banks at a substation or switching station provided this work is within the confines of the documented area of previous disturbance, is less than 50 years old, and any new structure does not exceed the current maximum height.
2. Placement of temporary transformers or mobile substations within an existing substation.
3. Installation of foundations for buildings or footings in documented previously disturbed areas.
4. Trenching for conduit installation or replacement, or to improve existing drainage in documented previously disturbed areas.

#### **E. Operation and Maintenance of Transmission Lines**

1. Inspections and maintaining hardware on transmission line (TL) structures.
2. Replacement of in-kind or functionally similar transmission line assets such as cross arms, insulators, lightning arrestors, lighting systems, spacers, vibration dampers, markings, or knee braces on structures. Also, like-kind replacement of miscellaneous bent, damaged or worn steel tower members.
3. Installation of wildlife avoidance/shielding systems, reflectors, aerial marker balls, navigation, or aircraft warning systems on existing structures.
4. Use of herbicides (except for aerial applications), bush hog, mulcher, mower, and other light-duty equipment to control vegetation and establish or maintain ROW width involving no new ground disturbance.
5. Repair or replacement of conductors, ground wire, or fiber optic cable using bucket trucks and truck-mounted spools. Placement of fill or rocks around existing towers, structures, or culverts when the fill/rock comes from a commercial source or a previously reviewed and approved location, provided the work does not expand the original project footprint.
6. Application of paint, coatings, or preservatives to transmission structures less than 50 years old.
7. Removal of wood pole structures by cutting above grade.
8. Removal or replacement of TL structures that are less than 50 years old and do not require additional vertical or horizontal ground disturbance.

- 952 9. Line modifications including conductor slides, cuts, and floating dead-ends to modify  
953 ground clearance.
- 954 10. Pull points for line re-conductoring on existing previously paved, graveled, compacted or  
955 fill-covered surfaces.
- 956 11. Reinforcement of wood structures with steel bracing assemblies (ex. PoleEnforcer Brand).
- 957 12. Co-locate telecommunication, electric distribution or related hardware on existing  
958 transmission line structures when no ground disturbance is necessary.
- 959 13. Maintenance, repair or replacement of in-kind or functionally similar equipment or devices  
960 such as footings, grillage and anchors inside the existing footprint on an existing TL  
961 structure.

## 962 **F. New Construction**

- 963 1. Construction of methane gas or electric generating systems using commercially available  
964 technology installed within an existing landfill or waste treatment plant that has no potential  
965 to cause a visual effect to an historic property.
- 966 2. Construction or installation of water intakes within a documented area of disturbance.
- 967 3. Installation of temporary construction-related structures in place for the duration of a  
968 project including scaffolding, sediment capture devices, barriers, screening, fences,  
969 protective walkways, signage, office trailers or restroom facilities that involve no ground  
970 disturbance, and would not damage historic buildings/structures.

## 971 **G. Administrative Actions and Grants**

- 972 1. Property protection activities that do not physically alter facilities or grounds.
- 973 2. Administrative actions that do not involve, or result in, physical work on the part of TVA or  
974 any other party.
- 975 3. Non-destructive and/or non-altering site characterization, data collection, study, inventory,  
976 and monitoring activities.
- 977 4. Financial and technical assistance to promote energy efficiency or water conservation,  
978 including assistance for installation or replacement of energy efficient appliances,  
979 insulation, HVAC systems, plumbing fixtures, and water heating systems, that does not  
980 result in alterations to the building exterior or historic fabric of the structure or character-  
981 defining spaces.
- 982 5. Financial assistance including approving and administering grants, loans, and rebates to  
983 state, local and private organizations and entities that are strictly financial in nature.
- 984 6. Financial assistance for the purchase or replacement of equipment.
- 985 7. Agreements for the sale, purchase or interchange of electricity not resulting in the  
986 construction and operation of new generating facilities or modifications to existing  
987 generating facilities and associated electrical transmission infrastructure.
- 988 8. Purchase or lease and subsequent operation of existing combustion turbine or combined-  
989 cycle plants located in or near the TVA transmission system for which there is existing  
990 adequate transmission and interconnection to the Power Service Area and provided that  
991 planned operation by TVA is within existing environmental permit limits.



996 9. Conducting or funding minor research, development or demonstration projects or  
997 programs that do not result in ground disturbance.  
998

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999 **Appendix B - Activities that Require Additional TVA internal review.**

1000 Activities described in Appendix B will be reviewed by TVA CRS, but will not initially require  
1001 consultation with the Signatories. If TVA CRS finds that conditions of Appendix B cannot be met  
1002 as outlined by Stipulation III.C., TVA will proceed under Stipulation III.D. All work on historic  
1003 properties would be performed in accordance with Secretary of Interior Standards.

1004  
1005 **A. Land Management and Improvements**

- 1006
- 1007 1. Placement of bank stabilization (ex. gravel, rip-rap, etc.) less than 500 linear feet, where
- 1008 no or minimal bank-shaping or ground disturbance is required.
- 1009 2. Demolition of permanent buildings, equipment, structures, recreational facilities, that do
- 1010 not contribute to the significance of historic properties, and do not fall within a listed or
- 1011 eligible historic district, or other facilities that have been identified as achieving exceptional
- 1012 significance within the past 50 years.
- 1013 3. Installation of new fencing and gate supports.
- 1014 4. Prescribed burns in areas where the activity is contained entirely within former agricultural
- 1015 fields that do not have exposed cultural features.
- 1016 5. Planting trees in stands smaller than five acres.
- 1017 6. Trenching less than 12 inch wide with a ditch witch or similar equipment where depth does
- 1018 not exceed two feet.
- 1019 7. Preliminary on-site engineering and environmental studies, including but not limited to
- 1020 geotechnical borings and monitoring stations and groundwater test wells with a footprint
- 1021 less than 2 acres.
- 1022 8. New culvert installation and berm construction using on-site or commercially available soil.
- 1023 9. Installation of guardrails and exterior lighting using supports four inches in diameter or
- 1024 less.
- 1025 10. Installation of habitat enhancement features such as wildlife nesting or roosting boxes that
- 1026 require ground disturbance.
- 1027 11. Activities to restore and enhance wetlands, riparian, or aquatic habitats including minor
- 1028 re-vegetation, construction of small berms, removal of debris and sediment following
- 1029 natural or human-caused disturbance event less than 2 acres.
- 1030 12. Placement, excavation or dredging of fill (less than 25 cubic yards).
- 1031 13. Maintenance of water control structures including pump houses and associated structures,
- 1032 spillways and levees.
- 1033 14. Drain installations for ash ponds.
- 1034 15. Temporary construction laydown areas that require ground disturbance less than two
- 1035 acres.
- 1036 16. Trail maintenance involving areas not previously reviewed, including re-benching and
- 1037 trenching to restrict access.
- 1038 17. Timber thinning and timber stand improvements less than five acres where a loading deck
- 1039 is required.
- 1040 18. Removal and disposal of temporary buildings (such as trailers, command centers, and
- 1041 mobile units) requiring ground disturbance.

1042 19. Creation of a borrow area less than 2 acres.

1043  
1044 **B. Building Maintenance and Rehabilitation on Buildings  $\geq$  50 years old or those that have**  
1045 **been identified as achieving exceptional significance within the past 50 years.**  
1046

- 1047 1. All lead paint abatement done in accordance with Chapter 18 of HUD's Guidelines for the  
1048 Evaluation and Control of Lead-based Paint Hazards in Housing "*Lead Hazard Control*  
1049 *and Historic Preservation*" and carried out in accordance with *Preservation Brief #37,*  
1050 *Appropriate Methods for Reducing Lead Paint Hazards in Historic Housing.*
- 1051 2. In-kind repair or replacement of roof cladding and sheeting, flashing, gutters, soffits, and  
1052 downspouts on historic buildings or structures with no change in roof pitch or configuration.
- 1053 3. In-kind repair or replacement of siding or trim.
- 1054 4. Installation of wheelchair ramps when the following considerations apply and in keeping  
1055 with NPS Preservation Brief #32:
- 1056 a) The ramp will not be a permanent addition to the property;
- 1057 b) No historic fabric will be permanently damaged in the installation or use of the ramp;
- 1058 c) Every reasonable effort will be made to construct and finish the ramp in a manner that  
1059 will result in a minimal amount of visual and physical effect on the property through  
1060 design considerations, use of materials, and painting wooden ramps whenever  
1061 possible.
- 1062 5. Repair or repointing of chimneys or other masonry features on historic buildings or  
1063 structures with the design, size, shape, mortar materials and joint profiles to match the  
1064 original in color, texture, hardness and tooling; and, for historic properties, following the  
1065 recommended approaches in *NPS Preservation Brief No. 2, Repointing Mortar Joints in*  
1066 *Historic Brick Buildings.*
- 1067 6. Securing or mothballing an historic property following *NPS Preservation Brief No. 31,*  
1068 *Mothballing Historic Buildings.*
- 1069 7. Modifications necessary to comply with earthquake and hurricane codes following *NPS*  
1070 *Preservation Brief 41, The Seismic Retrofit of Historic Buildings: Keeping Preservation in*  
1071 *the Forefront.*
- 1072 8. General clean-up, encapsulation, and removal or disposal of asbestos-containing  
1073 materials from buildings and structures provided no historic fabric is involved.
- 1074 10. Installation of new hydroelectric equipment such as turbines, generators, intake valves,  
1075 surge tanks, pumps, spillway, sluice and radial gate, gantry cranes, and control panels.
- 1076 11. Application of exterior paint to previously painted surfaces when no historic decorative  
1077 paint schemes or color such as graining, stenciling, marbling, etc. are to be covered.
- 1078 12. In-kind patching and resurfacing of exterior surfaces, such as stucco and concrete, to  
1079 match existing materials with regard to material composition, consistency, texture, and  
1080 color.
- 1081 13. Automating existing instrumentation anywhere on a dam where new conduit is needed.
- 1082 14. Cutting a new slot in a dam which is experiencing concrete growth.
- 1083 15. Adding new signage to public spaces of a facility.
- 1084 16. Installation of new post-tensioned anchors in a dam.
- 1085 17. Addition of survey monuments and control points in a dam.

- 1086 18. Drilling a hole to install a seal in a concrete dam.
- 1087 19. Adding new instruments within public spaces of a dam, powerhouse or facility.
- 1088 20. Installation of platforms or ladders within public spaces within a facility.
- 1089 21. Routine installation, upgrades, replacements and/or modifications to structures in public
- 1090 spaces including fire dampers; exit lights; fire protection systems; fire alarm systems;
- 1091 sprinkler systems; anti-freezing devices in existing sprinkler systems, corridors, stairways;
- 1092 fire alarm systems; smoke detectors, motion detectors; security cameras; fire hydrants
- 1093 and associated piping; and emergency generators.
- 1094 22. In-kind replacement of non-historic windows with new replacement windows.
- 1095 23. Renovations to restrooms and interior, non-public spaces (i.e., offices, break rooms, etc.)
- 1096 that have been previously renovated and lack historic fabric.
- 1097 24. In-kind repairs and replacement of walks, steps, and retaining walls at historic properties.
- 1098

1099 **C. Permitting**

1100

- 1101 1. Easements, ROWs, licenses, land use permits, and leases authorizing new activities that
- 1102 fall within Appendix B.
- 1103 2. Approvals for minor structures located along the shoreline, such as boat docks, boat
- 1104 houses and ramps, and facilities such as steps, benches, and closed loop heat
- 1105 exchangers, etc. to be used by a single residence (excluding requests for water use
- 1106 facilities associated with the development of a subdivision or other residential complex.
- 1107

1108 **D. Transmission Line and Associated Infrastructure Operation and Maintenance**

1109

- 1110 1. Replacement of footings, grillage and anchors outside of existing footprint on an existing
- 1111 TL structure.
- 1112 2. Installation of foundations or concrete pads for storage buildings or other equipment
- 1113 outside the fenced area of a substation.
- 1114 3. Tower extensions and replacement of existing structures when the size of the increase is
- 1115 no more than 20 percent of the height of the existing structure.
- 1116 4. Installation of pull points for line re-conductoring where the 100 foot radius surrounding
- 1117 the pole needs improvement beyond adding gravel or ground covering for stabilization.
- 1118 5. Demolition of abandoned transmission line facilities that present a public safety risk.
- 1119 6. Replacement of transmission line structures of any age requiring additional ground
- 1120 disturbance.
- 1121 7. Demolition of abandoned transmission line assets.
- 1122 8. Modifications and improvements to informal corridors such as farm and logging roads to
- 1123 establish access corridors.
- 1124

1125 **E. Administrative Actions**

1126

- 1127 1. Modifications to land use plans to rectify administrative errors or to incorporate new
- 1128 information that is consistent with previously approved decisions included in the plan, or
- 1129 minor changes to land use allocations to a more restrictive or protective allocation

provided that it is consistent with other TVA plans and policies; or amendments to land use allocations to implement TVA's Shoreline Management or Land Use Policies and no restrictions were previously placed during 106 consultation.

2. Transfer of ownership or control of equipment or land rights less than two acres.

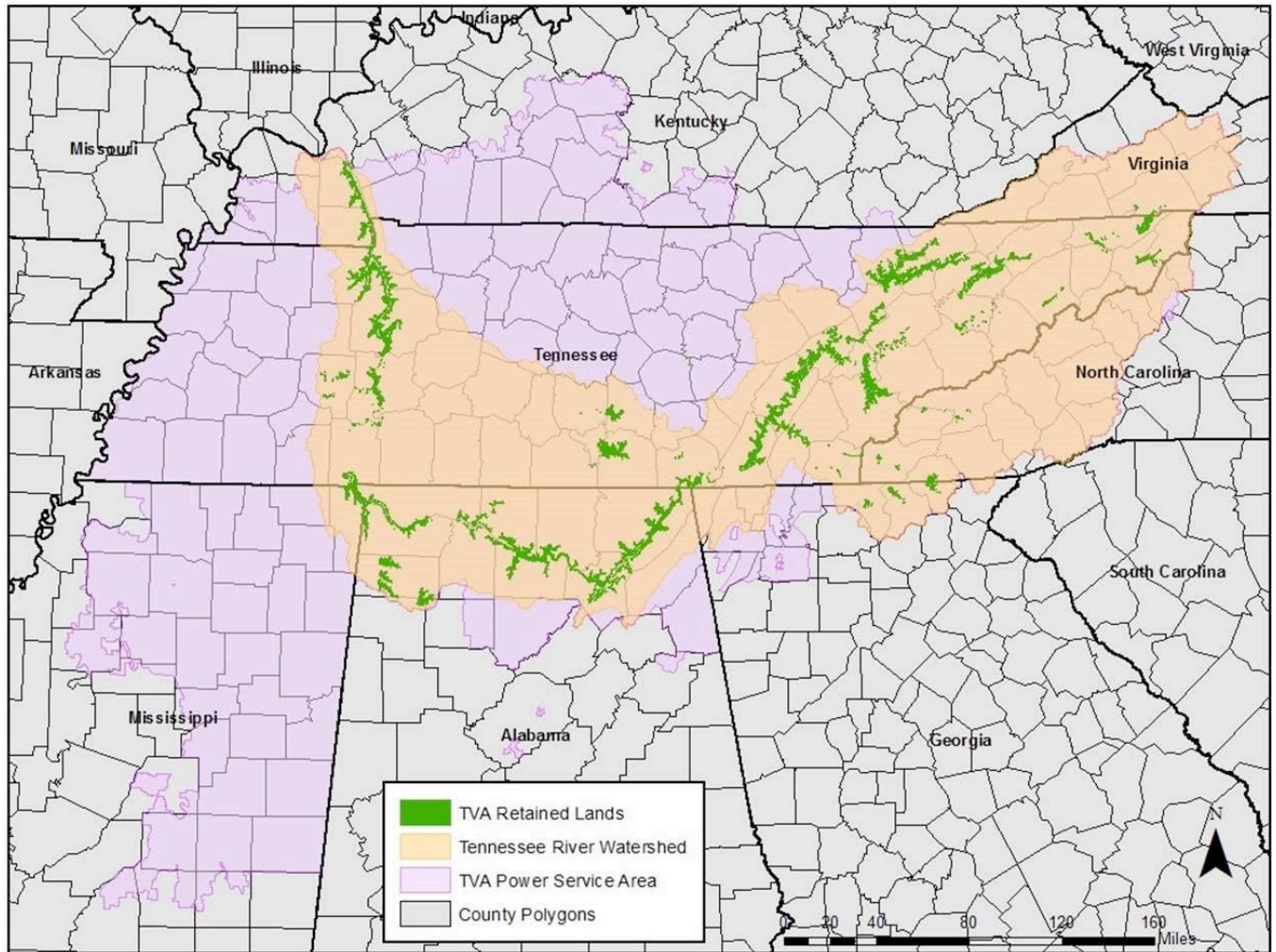
#### **F. New construction**

1. Installation of minor shoreline structures or facilities, boat docks, ramps and bank stabilization.
2. Installation of fish attractors.

#### **G. General**

1. Activities that occur within areas that have been subject to an archaeological survey in a manner acceptable to current standards or an architectural assessment within the last five years and for which no historic properties were identified. TVA CRS will evaluate the reliability and accuracy of any past work to assess it constitutes a reasonable and good faith effort in relation to the magnitude and nature of the undertaking.

Appendix C  
Map of TVA Power Service Area with Lands and Generation Facilities



1156

1157

1158

1159

1160

Appendix D  
TVA's Integrated Cultural Database



Tennessee Valley Authority

Finding of No Historic Properties Affected Documentation Pursuant to  
36 CFR 800.11(d)

---

REPORT TITLE

REPORT DATE

Tennessee Valley Authority  
400 West Summit Hill Drive  
West Tower 11D  
Knoxville, Tennessee 37902

1161

1162



2

**Finding of No Historic Properties Affected Documentation Pursuant to 36 CFR 800.11(d)**

**Description of The Undertaking**

Project Information

TVA CID

Project Lead

Project Reviewer

Related Project Record(s)

State

County

TVA Property

Latitude

Longitude

Project Type

Project Number

Project Number

Description of the Undertaking

Short Description

Long Description

Federal Involvement

I

Area of Potential Effects (APE)

See Map of Geographic Scope Below

Steps Taken to Identify Historic Properties

Consultation

Consultation

Consulting Parties

Oral History Interviews

Oral History Interviews

Background Research

Environmental Context

Topographic Situation

Soil Series and Minimum Slope

Previous Disturbance(s)

Current Land Use(s)

Modern Vegetation


Archaeological Potential

Previous Archaeological Surveys within APE

1164



1165



3

Previous Archaeological Survey References

Survey Coverage within APE

Presence of Archaeological Sites

Nature and Location of Known Archaeological Site(s)

Archaeological Potential if Survey Coverage is Partial, Unknown, or None

Likely Nature and Location of Archaeological Sites if High Potential

Survey Recommendation

Historic Structures/Landscapes Potential

Known or potential historic structures/landscapes with an unobstructed view of the project:

Existence of substantial modern visual intrusions exist within the viewshed:

If "Yes", list modern visual intrusions:

Field Survey Recommendation (Appendix B, if survey required)

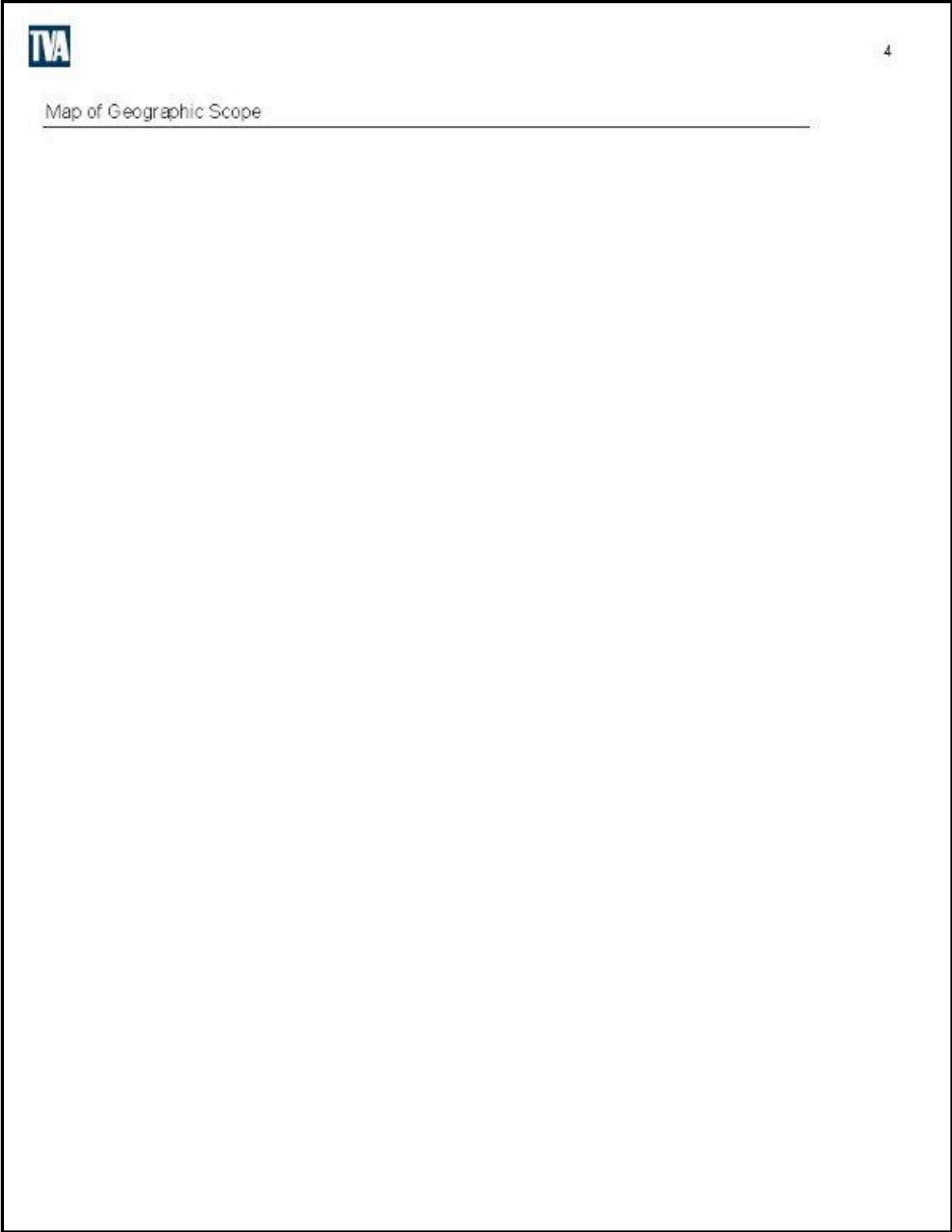
Basis for Finding No Historic Properties Present or Affected

Effect Finding for the Undertaking

1166

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5

TVA Archaeological Reconnaissance Form

Administrative Information

Field Reviewer

Fieldwork Dates

Document Date

Field Conditions

Percent Disturbed

Surface Visibility

Archaeological Field Methodology

Level of Effort

Archaeological Field Methodology

Survey Coverage

Photographs

Geographic Focus

Results

Findings

Calculated Total Acres Surveyed

Reported Total Acres Surveyed

Reported Total Shoreline Miles Surveyed


Summary

Recommendation

No further archaeological work

1172

1173



6

External Archaeological Reconnaissance Form

Administrative Information

Surveyor

Field Work Dates

Document Date

Archaeological Field Methodology

Level of Effort

Archaeological Field Methodology

Survey Coverage

Geographic Focus

Results

Calculated Total Acres Surveyed

Reported Total Acres Surveyed

Reported Total Shoreline Miles Surveyed

Summary

Appendix E  
Glossary

**Aircraft Warning Devices** – devices consist of lights, signs, and marker balls. Signs and lights are placed on the ops of transmission line structures. Marker balls are colored balls placed around overhead ground wires to make the ground wires more visible to aircraft and birds.

**Curb Cut:** A solid ramp that is graded down from the top surface of a sidewalk to the surface of an adjoining street, designed for pedestrian use.

**Character-defining:** Elements include the overall shape of the building, its materials, craftsmanship, decorative details, interior spaces and features, as well as the various aspects of its site and environment.

**Criteria Consideration G:** Properties that have achieved exceptional significance in the last 50 years (Example: Tellico Dam).

**Equipment:**

Construction Matting: Mats deployed to negate ground pressure exerted by heavy equipment.

Heavy-duty Equipment: Motorized machines designed for construction and demolition. Examples include cranes, trucks with more than two axles, and tracked equipment. The term “heavy-duty equipment” is intended as synonymous with “heavy machines”, “heavy trucks”, and “heavy vehicles” as those terms are commonly used interchangeably. Examples of heavy-duty equipment commonly used in TVA actions are: triple-axle trucks; crawler-dozers; crawler-loaders; four-wheel drive loaders; cranes; power excavators (whether wheeled or tracked) except mini-excavators; and dump trucks.

Light-duty Equipment: Motorized vehicles such as pickup trucks, two-axle bucket trucks, mulchers, feller-bunchers, mowers, bush hogs, skid steers, compact track loaders, and tracked mini-excavators.

Low-pressure Equipment: Motorized machines, tracked or wheeled, designed to minimize ground pressure.

Transmission Line Components: Hardware that is part of a transmission line, including structures (poles or towers), insulators, conductor, lightening arrestors, ground wire, and guy wires.

**Emergency Situations:** Response to a disaster or emergency declared by the President or Governor of a State or to other immediate threats of damage to property or loss of human life as designated by a TVA official.

**Grillage:** A type of foundation used for supporting transmission structures with below grade steel connecting tower legs, designed to resist uplift and thrust forces by transferring loads to the ground. Related to **Grillage Surcharge**, which is gravel applied over grillage providing additional weight and stabilization.

**Ground Disturbance:** Any activity that moves, alters, compacts, or penetrates the ground surface of previously undisturbed soils and sediments. Undisturbed soils possess intact and distinct natural soil horizons. Previously undisturbed soils and archeological resources may occur below the depth of disturbed soils.

**Hazard Tree:** Dead or dying trees, dead parts of live trees, or unstable live trees that pose an imminent risk of falling into infrastructure (i.e., transmission lines, substations, roads, buildings) or causing personal injury or fatality to humans.

**Historic Fabric:** Building material (masonry, wood, stone, metals, asbestos siding, etc.) from the period of the structure's potential historical significance.

**Historic Property:** Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. Historic property includes artifacts, records, and remains that are related to and located on such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR § 800.16(l)).

**In-kind Replacement:** Installation of a replacement for an historic element (i.e. > 50 years old) that is either missing or too deteriorated to repair, which matches all physical and visual aspects of existing materials, including design, form, color, finish, texture, workmanship, and to the greatest extent possible.

**Loading Deck:** A staging area for loading timber and other materials onto transport vehicles.

**Maintained Surface:** An unpaved road surface (whether surfaced with dirt, gravel, or mulch) that is periodically improved by surface grading, patching, filling in holes, adding gravel, or other means.

**Maintenance:** Activities to maintain existing facilities or structures within structural or functional standards; or compliant with federal regulations or guidelines.

**NAGPRA Cultural Items:** Human remains, associated funerary objects, unassociated funerary objects, sacred objects, cultural patrimony [25 USC 3001 (3)].

**Public Spaces:** Those spaces within the interior of historic facilities that are accessible or visible to visiting public or designed with the intent to be accessible or visible to the visiting public (e.g., reception rooms, lobbies, generator rooms, restrooms, overlooks, control rooms).

**Pull Points:** The location on the transmission line corridor where equipment pulls or provides tension to wire during installation or removal.

**Secretary's Standards:** Refers to *The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings* (<http://www.nps.gov/hps/tps/standguide/>). Work carried out on treating historic properties must meet *The Secretary of the Interior's Standards for the Treatment of Historic Properties* to avoid an adverse effect (see 36 CFR § 800.5(a)(2)(ii)).

**Transmission Tower/Pole Extension:** The modification to an existing structure that increases the wire to ground clearance.

DRAFT

Appendix F

**TVA DAMS AND ASSOCIATED CONTRIBUTING AND NON-CONTRIBUTING BUILDINGS  
AND STRUCTURES**

**Apalachia (Cherokee County, NC and Polk County, TN) –Listed**

1. Apalachia Dam, 1943 (Contributing Structure)
2. Pipeline, Tunnel, Surge Tank, Valve House, and Penstocks, 1943 (Contributing Structure)
3. Powerhouse, 1943 (Contributing Building)
4. Switchyard, Transformer Yard, and Transmission Lines, 1943 (Contributing Structure)
5. Switchyard Oil Purification and Fire Protection Building 1941 (Contributing Building)
6. Switchyard Oil Purification and Fire Protection Building 1956 (Contributing Building)
7. Flammable Storage Shed, ca. 1970 (Non-Contributing Building)
8. Knoxville Southern Railroad, 1890 (Contributing Structure)
9. Pedestrian Bridge across the Hiwassee River, ca. 2000 (Non-Contributing Structure)

**Bear Creek Dam (Franklin County, AL) – Unassessed**

**Blue Ridge (Fannin County, GA) – Eligible**

1. Blue Ridge Dam, 1930 (Contributing Structure)
2. Powerhouse, 1930 (Contributing Building)
3. Blue Ridge Generator Building
4. Blue Ridge Spillway Equipment Building
5. Generator Building #1
6. Generator Building #2
7. Hazardous Waste Storage
8. ICC Building
9. Intake Building
10. Lower Level Outlet
11. Old Valve House
12. Powerhouse Storage
13. Blue Ridge Marina Construction
14. Operator's House 1
15. Operators House 2
16. Operators House 3
17. Operators House 4

**Boone (Sullivan County, TN) - Listed**

1. Boone Dam, 1953 (Contributing Structure)
2. Powerhouse, 1953 (Contributing Building)
3. Control Building, 1952 (Contributing Building)
4. Switchyard/Transmission lines, 1953 (Contributing Structure)
5. Switchyard Building, 1953 (Contributing Building)
6. Visitor Building, 1953 (Contributing Building)
7. Bathhouse, 1953 (Contributing Building)
8. Picnic Pavilion, 1986 (Non-Contributing Structure)
9. Picnic Area, 1953 (Contributing Site)
10. Maintenance Building, 1953 (Contributing Building)
11. Chemical Storage Building, 1953 (Contributing Structure,)
12. Shed, ca. 1990, (Non-Contributing Building)
13. Equipment Building, ca. 1990 (Non-Contributing Building)



- 1329 14. Garage, ca. 1990 (Non-Contributing Building)  
1330 15. Water Tank, 1953 (Contributing Structure)  
1331

1332 **Chatuge (Clay County, NC) – Listed**

- 1333 1. Chatuge Dam and Spillway, 1942 (Contributing Structure)  
1334 2. Powerhouse, 1954 (Contributing Building)  
1335 3. Powerhouse Storage Building, 1954 (Contributing Building)  
1336 4. Powerhouse Equipment Shed, ca. 1990 (Non-Contributing Building)  
1337 5. Intake, 1942 (Contributing Structure)  
1338 6. Switchyard and Transmission Lines, 1954 (Contributing Structure)  
1339 7. Weir Dam, 1992 (Non-Contributing Structure)  
1340 8. Chatuge Picnic Recreation Area, 1954 (Contributing Site)  
1341 9. Gibson Cove Campground, 1954 (Contributing Site)  
1342 10. Bathhouse, 1954 (Contributing Building)  
1343 11. Hiwassee River Bridge, Chatuge Dam Road, 1922 (Contributing Structure)  
1344

1345 **Cherokee (Jefferson & Grainger Counties, TN) - Listed**

- 1346 1. Cherokee Dam, 1942 (Contributing Structure)  
1347 2. Powerhouse, 1942 (Contributing Building)  
1348 3. Switchyard and Transmission Lines, 1942 (Contributing Structure)  
1349 4. Switchyard Storage Building, ca. 1995 (Non-Contributing Building)  
1350 5. Public Safety Service Building, 1955 (Contributing Building)  
1351 6. Main Office and Garage, ca. 1955 (Contributing Building)  
1352 7. Garage, ca. 1955 (Contributing Building)  
1353 8. Chemical Storage, ca. 1955 (Contributing Structure)  
1354 9. Storage building, ca. 1990 (Non-Contributing Building)  
1355 10. Campground Bathhouse, ca. 1960 (Contributing Building)  
1356 11. Picnic Pavilion, ca. 1990 (Non-Contributing Structure)  
1357 12. Recreational Area, ca. 1955 (Contributing Site)  
1358

1359 **Chickamauga (Hamilton County, TN) – Listed**

- 1360 1. Chickamauga Dam, 1936-1940 (Contributing Structure)  
1361 2. Powerhouse, 1936-1940 (Contributing Building)  
1362 3. Navigational Lock, 1936-1940 (Contributing Structure)  
1363 4. Lock Operation Building, 1936-1940 (Contributing Building)  
1364 5. Lock Control Building 1, 1940 (Contributing Building)  
1365 6. Lock Control Building 2, 1940 (Contributing Building)  
1366 7. Lock Storage Building, ca. 1950 (Contributing Building)  
1367 8. Lock Visitor Building, 1936-1940 (Contributing Building)  
1368 9. Visitor Storage Building, 1936-1940 (Contributing Building)  
1369 10. Lock Maintenance Building, ca. 1988 (Non-Contributing Building)  
1370 11. Switchyard, 1936-1940 (Contributing Structure)  
1371 12. Switchyard Storage Building, ca. 2000 (Non-Contributing Building)  
1372 13. Switchyard Electrical Building, ca. 2000 (Non-Contributing Building)  
1373 14. Restrooms, ca. 1990 (Non-Contributing Building)  
1374 15. Picnic/Recreational Area, ca. 1960 (Contributing Site)  
1375 16. Picnic Pavilion, ca. 1990 (Non-Contributing Structure)  
1376 17. Bath house, ca. 1950 (Contributing Building)  
1377 18. Fishing dock area, 1990 (Non-Contributing Site)  
1378 19. Wilkes T. Thrasher Bridge, 1954 (Contributing Structure)  
1379

1380 **Douglas (Sevier County, TN) – Listed**

- 1381 1. Douglas Dam, 1943 (Contributing Structure)
- 1382 2. Powerhouse, 1943 (Contributing Building)
- 1383 3. Switchyard and Transmission Lines, 1943 (Contributing Structure)
- 1384 4. Switchyard Outbuilding, ca. 1995 (Non-Contributing Building)
- 1385 5. Public Safety Service (PSS) Building, 1957 (Contributing Building)
- 1386 6. Bathhouse 1, 1960 (Contributing Building)
- 1387 7. Bathhouse 2, 1960 (Contributing Building)
- 1388 8. Douglas Canteen, ca. 1990 (Non-Contributing Building)
- 1389 9. Picnic Pavilion, ca. 1990 (Non-Contributing Structure)
- 1390 10. Main Office Building, ca. 1955. (Contributing Building)
- 1391 11. Equipment Shed 1, ca. 1990 (Non-Contributing Structure)
- 1392 12. Chemical Storage, ca. 1955 (Contributing Structure)
- 1393 13. Equipment Shed 2, ca. 1990 (Non-Contributing Structure)
- 1394 14. Recreational Area, ca. 1977 (Non-Contributing Site)

1395

1396 **Fontana (Graham and Swain Counties, NC) - Listed**

- 1397 1. Fontana Dam, 1944 (Contributing Structure)
- 1398 2. Powerhouse, 1944 (Contributing Building)
- 1399 3. Switchyard and Transmission lines, 1944 (Contributing Structure)
- 1400 4. Switchyard Storage Building, 1992 (Non-Contributing Building)
- 1401 5. Visitor Building, 1947 (Contributing Building)
- 1402 6. Workshop-Garage, 1956 (Non-Contributing Building)
- 1403 7. Public Service Safety Building, 1956 (Contributing Building)
- 1404 8. Pesticide Storage Structure, ca.1956 (Contributing Structure)
- 1405 9. Shed, ca. 2010 (Non-Contributing Structure)
- 1406 10. Shed, ca.1990 (Non-Contributing Structure)
- 1407 11. Campground, ca. 1955 (Contributing Site)
- 1408 12. Bathhouse, ca. 1955 (Contributing Building)
- 1409 13. Picnic Pavilion, ca. 2000 (Non-Contributing Structure)
- 1410 14. Appalachian Trail, 1955 (Contributing Structure)
- 1411 15. Hiwassee River Bridge, 1945 (Contributing Structure)

1412

1413 **Fort Loudoun (Loudon County, TN) – Listed**

- 1414 1. Fort Loudoun Dam, 1944 (Contributing Structure)
- 1415 2. J. Carmichael Greer Bridge, 1963 (Non-Contributing Structure)
- 1416 3. Powerhouse, 1944 (Contributing Building)
- 1417 4. Navigational Lock, 1944 (Contributing Structure)
- 1418 5. Lock Control Building 1, 1944 (Contributing Building)
- 1419 6. Lock Control Building 2, 1944 (Contributing Building)
- 1420 7. Lock Operation Building, 1944 (Contributing Building)
- 1421 8. Lock Maintenance Building, 1993 (Non-Contributing Building)
- 1422 9. Switchyard and Transmission Lines, 1944 (Contributing Structure)
- 1423 10. Switchyard Building, ca. 2000 (Non-Contributing Building)
- 1424 11. Fishing Pier Area, ca. 1950 (Contributing Site)
- 1425 12. Bathhouse 1, ca. 1950 (Contributing Building)
- 1426 13. Picnic Area, ca. 1950 (Contributing Site)
- 1427 14. Bathhouse 2, ca. 1950 (Contributing Building)
- 1428 15. Maintenance Office Building, ca. 1955 (Contributing Building)
- 1429 16. Maintenance Equipment Shed, ca. 2010 (Non-Contributing Building)
- 1430 17. Shed, ca. 2010 (Non-Contributing Building)

1431 **Fort Patrick Henry (Sullivan County, TN) – Listed**

- 1432 1. Fort Patrick Henry Dam, 1953 (Contributing Structure)
- 1433 2. Powerhouse, 1953 (Contributing Building)
- 1434 3. Transformer Yard, 1953 (Contributing Structure)
- 1435 4. Switchyard/Transmission lines, 1953 (Contributing Structure)
- 1436 5. Switchyard Oil Purification Building, 1953 (Contributing Building)
- 1437 6. Visitor Building, 1954 (Contributing Building)
- 1438 7. Picnic Area, 1954 (Contributing Site)
- 1439 8. Boat Ramp ca. 2010 (Non-Contributing Site)
- 1440 9. Maintenance Building, ca. 1980 (Non-Contributing Building)
- 1441 10. Shed, ca. 1980 (Non-Contributing Structure)
- 1442 11. Chemical Storage Structure, ca. 1953 (Contributing Structure)

1443

1444 **Great Falls (Warren and White Counties, TN) – Listed**

- 1445 1. Great Falls Dam, 1916 (Contributing Structure)
- 1446 2. Powerhouse, 1924 (Contributing Building)
- 1447 3. Storage Building #1, 1955 (Contributing Building)
- 1448 4. Switchyard, 1924 (Contributing Structure)
- 1449 5. Surge Tanks, 1924 (Contributing Structure)
- 1450 6. Intake House, 1924 (Contributing Building)
- 1451 7. Rock House/Control House Office Building, 1924 (Non-Contributing Building)
- 1452 8. Hydrogen/Propane Tank Storage Shed, 1987 (Non-Contributing Building)
- 1453 9. Vehicle Maintenance Building, 1984 (Non-Contributing)
- 1454 10. New Incline Building, 1980s (Non-Contributing)
- 1455 11. Old Incline Building, 1924 (Contributing Building)
- 1456 12. Propane Storage Shed, 1987 (Non-Contributing)
- 1457 13. Powerhouse Storage Building, 1955 (Contributing Building)
- 1458 14. Storage Building #2, 1955 (Contributing Building)

1459

1460 **Guntersville (Marshall and Jackson Counties, AL) - Listed**

- 1461 1. Guntersville Dam, 1939 (Contributing Structure)
- 1462 2. Navigational Locks, 1937, 1965 (Contributing Structure)
- 1463 3. Lock Control Building, 1939 (Contributing Building)
- 1464 4. Lock Control Building, 1939 (Contributing Building)
- 1465 5. Lock Control Building, 1939 (Contributing Building)
- 1466 6. Lock Control Building, 1939 (Contributing Building)
- 1467 7. Lock Operation Building, 1939 (Contributing Building)
- 1468 8. Lock Operation Building, 1965 (Contributing Building)
- 1469 9. Lock Maintenance Building, 1990 (Non-Contributing Building)
- 1470 10. Powerhouse, 1935 (Contributing Building)
- 1471 11. Switchyard, 1935 (Contributing Structure)
- 1472 12. Oil Purification Building, ca. 1935 (Contributing Building)
- 1473 13. Public Safety Service Building, ca. 1957 (Contributing Building)
- 1474 14. Guntersville Pedestrian Overlook, ca. 1935 (Contributing Structure)
- 1475 15. Picnic Pavilion, 1993 (Non-Contributing Structure)
- 1476 16. Office Building ca. 1955 (Contributing Building)
- 1477 17. Storage Structure, ca. 1978 (Non-Contributing Structure)
- 1478 18. Storage Structure, ca. 1978 (Non-Contributing Structure)
- 1479 19. Storage Building, ca. 1978 (Non-Contributing Structure)
- 1480 20. Recreational Area, ca. 1955 (Contributing Site)
- 1481 21. Concrete Bridge from Highway 431 to Navigational Locks, ca. 1935, (Contributing Structure)

1482

1483 **Hiwassee (Cherokee County, NC) - Listed**

- 1484 1. Hiwassee Dam, 1940 (Contributing Structure)
- 1485 2. Powerhouse, 1940 (Contributing Structure)
- 1486 3. Switchyard and Transmission Lines, 1940 (Contributing Structure)
- 1487 4. Grounds/Picnic Area, ca. 1972 (Non-Contributing Site)
- 1488 5. Garage/Shop Building, ca. 1980 (Non-Contributing Building)
- 1489 6. Flammable Storage Building ca. 1950 (Contributing Structure)
- 1490 7. Equipment Shed ca. 1980 (Non-Contributing Structure)
- 1491 8. Equipment Shed ca. 1980 (Non-Contributing Structure)
- 1492 9. Visitor Building, 1955 (Contributing Structure)
- 1493 10. Picnic Shelter, 1972 (Non-Contributing Structure)

1494

1495 **Kentucky (Livingston County, TN) - Listed**

- 1496 1. Kentucky Dam, 1944 (Contributing Structure)
- 1497 2. Powerhouse, 1944 (Contributing Building)
- 1498 3. Switchyard and Transmission Lines, 1944 (Contributing Structure)
- 1499 4. Switchyard Garage, 2000 (Non-Contributing Structure)
- 1500 5. Switchyard Storage Building, 2000 (Non-Contributing Structure)
- 1501 6. Navigational Lock, 1944 (Contributing Structure)
- 1502 7. Navigational Lock, 2015 (Non-Contributing Structure)
- 1503 8. Lock Operation Building, 1944 (Contributing Building)
- 1504 9. Lock Control Buildings, 1988 (Non-Contributing Building)
- 1505 10. Lock Control Buildings, 1988 (Non-Contributing Building)
- 1506 11. Police Building, 1960 (Contributing Building)
- 1507 12. Picnic Area Restroom, 1950 (Contributing Building)
- 1508 13. Illinois Central Railroad Bridge, 1944 (Contributing Structure)
- 1509 14. Maintenance Yard, 1955 (Contributing Building)
- 1510 15. Maintenance Yard, 1980 (Non-Contributing Building)
- 1511 16. Maintenance Yard, ca. 1955 (Contributing Building)
- 1512 17. Maintenance Yard, 1980 (Non-Contributing Building)
- 1513 18. Maintenance Yard, 1955 (Contributing Structure)
- 1514 19. Maintenance Yard, 1955 (Contributing Structure)
- 1515 20. Lock Maintenance Building, 1988 (Non-Contributing Building)
- 1516 21. Radio Transmission Tower and Control Building, ca. 2010 (Non-Contributing)
- 1517 22. Radio Transmission Tower and Control Building, 1955 (Contributing Structure/Building?)
- 1518 23. Toilet Building, 1976 (Non-Contributing Building)
- 1519 24. Fishing Pier, ca. 2000-2009 (Non-Contributing Structure)
- 1520 25. Fishing Pier, ca. 2000-2009 (Non-Contributing Structure)
- 1521 26. Fishing Pier, ca. 2000-2009 (Non-Contributing Structure)

1522

1523 **Melton Hill (Loudon County, TN) - Listed**

- 1524 1. Melton Hill Dam, 1963 (Contributing Structure)
- 1525 3. Powerhouse, 1964 (Contributing Building)
- 1526 4. Navigational Lock, 1963 (Contributing Structure)
- 1527 5. Lock Control Building 1, 1964 (Contributing Building)
- 1528 6. Lock Control Building 2, 1964 (Contributing Building)
- 1529 7. Lock Operation Building, 1964 (Contributing Building)
- 1530 8. Switchyard and Transmission Lines, 1964 (Contributing Structure)
- 1531 9. Switchyard Building, 1993 (Non-Contributing Building)
- 1532 10. Visitor Building, 1964 (Contributing Building)

- 1533 11. Main Office Building, 1964 (Contributing Building)  
1534 12. Flammable Materials Storage Shed, 1964, (Contributing Structure)  
1535 13. Hazardous Materials Storage Shed, 1964 (Contributing Structure)  
1536 14. Equipment Shed, ca. 2010 (Non-Contributing Building)  
1537 15. Visitor Building Picnic Area (Contributing Site)  
1538 16. Picnic Pavilion 1 (Non-Contributing Building)  
1539 17. Picnic Pavilion 2 (Non-Contributing Building)  
1540 18. Fishermen's Bath House, ca. 2000 (Non-Contributing Building)  
1541 19. Recreation Area, 1964 (Contributing Site)  
1542 20. Recreation Area Picnic Pavilion, ca. 1980 (Non-Contributing Building)  
1543 21. Recreation Area Picnic Pavilion, ca. 2000 (Non-Contributing Building)  
1544 22. Bathhouse 1, 1964 (Contributing Building)  
1545 23. Bathhouse 2, 1964 (Contributing Building)

1546  
1547 **Nickajack (Marion County, TN) – Listed**

- 1548 1. Nickajack Dam, 1967 (Contributing Structure)  
1549 2. Powerhouse, 1967 (Contributing Building)  
1550 3. Switchyard, 1967 (Contributing Structure)  
1551 4. Switchyard, Concrete Building, ca. 2010 (Non-Contributing Building)  
1552 5. Switchyard, Metal Building, ca. 1990 (Non-Contributing Building)  
1553 6. Navigational Locks, 1967 (Contributing Structure)  
1554 7. Lock Control Building 1, 1967 (Contributing Building)  
1555 8. Lock Control Building, 2 1967 (Contributing Building)  
1556 9. Lock Operation Building, 1967 (Contributing Building)  
1557 10. Lock Visitor Building, 1967 (Contributing Building)  
1558 11. Lock Maintenance Building, 1985 (Non-Contributing Building)  
1559 12. Maintenance Office/Garage Building, 1985 (Non-Contributing Building)  
1560 13. Storage Building, 1985 (Non-Contributing Building)  
1561 14. Hazardous Materials Storage Shed, 1985 (Non-Contributing Structure)  
1562 15. Restroom 1, 1970 (Non-Contributing Building)  
1563 16. Restroom 2, 1970 (Non-Contributing Building)  
1564 17. Picnic Area 1, 1967 (Contributing Site)  
1565 18. Picnic Area 2, 1984 (Non-Contributing Site)  
1566 19. TVA Road Bridge, 1967 (Contributing Structure)

1567  
1568 **Nolichucky (Greene County, TN) - Eligible**

- 1569 1. Nolichucky Dam, 1913 (Contributing Structure)  
1570 2. Nolichucky Powerhouse, 1913 (Contributing Building)

1571  
1572 **Normandy (Coffee County, TN) – Listed**

- 1573 1. Normandy Dam, 1976 (Contributing Structure)  
1574 2. Mechanical Building 1, ca. 2000 (Contributing Building)  
1575 3. Mechanical Building 2, 1976 (Non-Contributing Building)  
1576 4. Maintenance Building, ca. 2000 (Non-Contributing Building)  
1577 5. Pesticide Storage Building, 1978 (Contributing Structure)  
1578 6. Equipment Shed, ca. 2000 (Non-Contributing Building)  
1579 7. Pumping Station, ca. 1978 (Contributing Structure)  
1580 8. Huffman Cemetery, ca. 1863 (Non-Contributing Site)  
1581 9. Air Compressor House, 1991 (Non-Contributing Building)  
1582 10. Gauging Station, ca. 1978 (Contributing Structure)  
1583

1584 **Norris (Anderson & Campbell County, TN) - Listed**

- 1585 1. Norris Dam, 1933-36 (Contributing Structure)  
1586 2. Powerhouse, 1933-1936 (Contributing Building)  
1587 3. Switchyard, 1933-1936, (Contributing Structure)  
1588 4. Visitor Building, 1950 (Contributing Building)  
1589 5. Office and garage, ca. 1950 (Contributing Building)  
1590 6. Flammable storage building, ca. 1950 (Contributing Building)  
1591 7. Equipment shed, ca. 1980 (Non-Contributing Structure)  
1592 8. Main office building, ca. 1950, (Non-Contributing Building)  
1593 9. Shed, ca. 1970, (Non-Contributing Building)  
1594 10. Grounds/Picnic Area, ca. 1955 (Contributing Site)

1595

1596 **Nottely (Union County, GA) - Listed**

- 1597 1. Nottely Dam, 1942 (Contributing Structure)  
1598 2. Powerhouse, 1954 (Contributing Building)  
1599 3. Powerhouse Storage Building, 1954 (Contributing Building)  
1600 4. Flammable Storage Shed, ca. 1970 (Non-Contributing Building)  
1601 5. Intake, 1942 (Contributing Structure)  
1602 6. Switchyard and Transmission Lines, 1954 (Contributing Structure)  
1603 7. Distributor Switchyard Building, ca. 1980 (Non-Contributing Building)  
1604 8. Georgia State Route 325, 1942 (Contributing Structure)  
1605 9. Visitor Overlook, 1954 (Contributing Structure)  
1606 10. Nottely Recreation Area, 1967 (Contributing Site)  
1607 11. Nottely Picnic Area, 1954 (Contributing Site)

1608

1609 **Ocoee No. 1 (Polk County, TN) - Listed**

- 1610 1. Ocoee No. 1 Dam, 1911 (Contributing Structure)  
1611 2. Powerhouse, 1911 (Contributing Building)  
1612 3. Electrician's Shop  
1613 4. Generator Building  
1614 5. Plant Office  
1615 6. Storage Building  
1616 7. Welding Shop  
1617 8. Artifacts Storage Building  
1618 9. Fire Equipment Building #1  
1619 10. Fire Equipment Building #2  
1620 11. Hazardous Waste Storage  
1621 12. PSS Building  
1622 13. Sawmill  
1623 14. TODA Building  
1624 15. Dam Building  
1625 16. Flume Building  
1626 17. Hazardous Waste Storage #1

1627

1628 **Ocoee No. 2 (Polk County, TN) - Listed**

- 1629 1. Ocoee No. 2 Dam, 1913 (Contributing Structure)  
1630 2. Powerhouse, 1913 (Contributing Building)  
1631 3. Flume, 1913 (Contributing Structure)  
1632 4. Carpentry Shop  
1633 5. Laborer's Shop  
1634 6. Machine Shop

- 1635 7. Ocoee #2 Machine Shop
- 1636 8. Water Gauge House
- 1637 9. Flume Support House
- 1638 10. Hazardous Waste Storage #2
- 1639 11. Hoist Building
- 1640 12. Incline Control Building
- 1641 13. Old Stone Building
- 1642 14. Old Wood Electrical Shop
- 1643 15. Planer Shed
- 1644 16. Snake House
- 1645 17. Wood Storage Building
- 1646 18. Wooden Shed
- 1647 19. H2O Treatment Plant
- 1648 20. Pump House
- 1649 21. Purification Building
- 1650 22. Trash Rack House
- 1651 23. Valve House

1652

1653 **Ocoee No. 3 (Polk County, TN) - Listed**

- 1654 1. Ocoee No. 3 Dam, 1943 (Contributing Structure)
- 1655 2. Pipeline, 1943 (Contributing Structure)
- 1656 3. Surge Tank, 1943 (Contributing Structure)
- 1657 4. Valve House, 1943 (Contributing Structure)
- 1658 5. Penstock, 1943 (Contributing Structure)
- 1659 6. Powerhouse, 1943 (Contributing Building)
- 1660 7. Switchyard and Transmission Lines, 1943, (Contributing Structure)
- 1661 8. Switchyard Storage Building, ca. 1990 (Non-Contributing Building)
- 1662 9. Flammable Storage Shed, ca. 1990 (Non-Contributing Building)
- 1663 10. Powerhouse Access Bridge, 1943 (Contributing Structure)

1664

1665 **Pickwick Landing (Hardin County, TN) – Listed**

- 1666 1. Pickwick Landing Dam, 1938 (Contributing Structure)
- 1667 2. Navigational Lock, 1938 (Contributing Structure)
- 1668 3. Navigational Lock, ca. 1984 (Non-Contributing Structure)
- 1669 4. Lock Operation Building, ca. 1980 (Non-Contributing Building)
- 1670 5. Lock Control Building 1, 1983 (Non-Contributing Building)
- 1671 6. Lock Control Building 2, 1983 (Non-Contributing Building)
- 1672 7. Lock Control Building 3, 1983 (Non-Contributing Building)
- 1673 8. Lock Control Building 4, 1983 (Non-Contributing Building)
- 1674 9. Powerhouse, 1938 (Contributing Building)
- 1675 10. Switchyard, 1934-1938, (Contributing Structure)
- 1676 11. Picnic/Fishing Area (Contributing Site)
- 1677 12. Bathhouse, ca. 1950 (Contributing Building)
- 1678 13. Fishing Area Restroom, ca. 1995 (Non-Contributing Building)
- 1679 14. Maintenance Office/Garage Building 1984 (Non-Contributing Building)
- 1680 15. Equipment Shed 1 1984 (Non-Contributing Structure)
- 1681 16. Equipment Shed 2 1984 (Non-Contributing Structure)
- 1682 17. Pole Shed, 1984 (Non-Contributing Structure)
- 1683 18. State Route 128 Bridge, 1963 (Contributing Structure)

1684 **South Holston (Sullivan County, TN) - Listed**

- 1685 1. South Holston Dam, 1950 (Contributing Structure)

- 1686 2. Intake, 1950 (Contributing Structure)  
1687 3. Powerhouse, 1950 (Contributing Building)  
1688 4. Surge Tank, 1951 (Contributing Structure)  
1689 5. Switchyard/Transmission Lines, 1951 (Contributing Structure)  
1690 6. Visitor Building, 1953 (Contributing Building)  
1691 7. Weir Dam, 1991 (Non-Contributing Structure)  
1692 8. Picnic Area, 1951 (Contributing Site)  
1693 9. Restroom, ca. 1990 (Non-Contributing Building)  
1694 10. Garage and Office Building, 1951 (Non-Contributing Building)  
1695 11. Storage Building, 1951 (Contributing Building)  
1696 12. Equipment Shed, 1990 (Non-Contributing Building)  
1697 13. Equipment Shed, 1990 (Non-Contributing Building)  
1698 14. Chemical Storage Structure, 1951 (Contributing Structure)  
1699 15. Stophel Cemetery, ca. 1850 (Non-Contributing Site)

1700

1701 **Tellico (Loudon County, TN) - Listed**

- 1702 1. Tellico Dam, 1979 (Contributing Structure)  
1703 2. Spillway Storage Building, ca. 2000 (Non-Contributing Building)  
1704 3. Canal, 1979 (Contributing Structure)  
1705 4. Restroom, 1979 (Contributing Building)  
1706 5. Picnic Pavilion, 1980 (Non-Contributing Building)  
1707 6. Recreational Area, 1980 (Contributing Site)

1708

1709 **Tims Ford (Franklin County, TN) – Listed**

- 1710 1. Tims Ford Dam, 1970 (Contributing Structure)  
1711 2. Intake, 1970 (Contributing Structure)  
1712 3. Powerhouse, 1970 (Contributing Building)  
1713 4. Switchyard/Transmission Lines, ca. 1970 (Contributing Structure)  
1714 5. Access Bridge, 1970 (Contributing Structure)  
1715 6. Maintenance Garage, ca. 2000 (Non-Contributing Building)  
1716 7. Visitor Overlook, 1970 (Contributing Site)  
1717 8. Kitchens Cemetery, ca. 1840, (Non-Contributing Site)

1718

1719 **Watauga (Carter County, TN) - Listed**

- 1720 1. Watauga Dam, 1948 (Contributing Structure)  
1721 2. Intake, 1948, (Contributing Structure)  
1722 3. Powerhouse, 1948 (Contributing Building)  
1723 4. Switchyard/Transmission Lines, ca. 1948 (Contributing Structure)  
1724 5. Oil Purification Building, ca. 1948 (Contributing Building)  
1725 6. Control Building, ca. 1948 (Contributing Building)  
1726 7. Visitor Building, ca. 1948 (Contributing Building)  
1727 8. Picnic Grounds, ca. 1948 (Contributing Site)  
1728 9. Well House, ca. 1948 (Contributing Structure)  
1729 10. Restroom, ca. 1994 (Non-Contributing Building)  
1730 11. Chemical Storage Building, ca. 1948 (Contributing Structure)  
1731 12. Office/Garage Building, ca. 1955 (Contributing Building)  
1732 13. Equipment Building, ca. 1990 (Non-Contributing Building)

1733

1734

1735 **Watts Bar (Rhea and Meigs Counties, TN) - Listed**

- 1736 1. Watts Bar Dam, 1941 (Contributing Structure)



- 1737 2. Powerhouse, 1942 (Contributing Building)
- 1738 3. Visitor/Control Building, 1942 (Contributing Building)
- 1739 4. Switchyard, 1942 (Contributing Structure)
- 1740 5. Control Equipment Building, ca. 2002 (Non-Contributing Building)
- 1741 6. Oil Purification Building, 1942 (Contributing Building)
- 1742 7. Navigational Locks, 1942 (Contributing Structure)
- 1743 8. Lock Operation Building, 1942 (Contributing Building)
- 1744 9. Lock Control Building 1, 1942 (Contributing Building)
- 1745 10. Lock Control Building 2, 1942 (Contributing Building)
- 1746 11. Lock Maintenance Buildings, 2008 (Non-Contributing Building)
- 1747 12. Lock Maintenance Buildings, 2008 (Non-Contributing Building)
- 1748 13. Warehouse, ca. 1995 (Non-Contributing Building)
- 1749 14. Office Building, ca. 1960 (Contributing Building)
- 1750 15. Hazardous Storage Building, ca. 1960 (Contributing Building)
- 1751 16. Flammable Storage Building, ca. 1980 (Non-Contributing Building)
- 1752 17. Equipment Shed, ca. 2000 (Non-Contributing Building)
- 1753 18. Chemical Storage Building, ca. 1985 (Non-Contributing Building)
- 1754 19. Equipment Shed, ca. 1980 (Non-Contributing Structure)
- 1755 20. Recreational Area, ca. 1955 (Contributing Site)
- 1756 21. Bathhouse, ca. 1955 Contributing Building)
- 1757 22. Bathhouse, ca. 2000 (Non-Contributing Building)
- 1758 23. Picnic Pavilion, ca. 2000 (Non-Contributing Building)
- 1759 24. Overlook and Picnic Area, 1942 (Contributing Site)
- 1760 25. Water Tank 1, 1942 (Contributing Structure)
- 1761 26. Water Tank 2, ca. 1990 (Non-Contributing Structure)
- 1762 27. State Route 68 Bridge, ca. 1965 (Contributing Structure)

1763

**Wheeler (Lawrence and Lauderdale Counties, AL) - Listed**

- 1764 1. Wheeler Dam, 1936 (Contributing Structure)
- 1765 2. Navigational Locks, 1936, 1963 (Contributing Structure)
- 1766 3. Lock Control Building, 1962 (Contributing Building)
- 1767 4. Lock Control Building, 1962 (Contributing Building)
- 1768 5. Lock Operation Building, 1963 (Contributing Building)
- 1769 6. Lock Maintenance Building, 1986 (Non-Contributing Building)
- 1770 7. Powerhouse Control Building, 1936 (Contributing Building)
- 1771 8. Switchyard/Transmission Lines, 1936 (Contributing Building)
- 1772 9. Office/Shop Building, ca. 1990 (Non-Contributing Building)
- 1773 10. Storage Building, ca. 1990 (Non-Contributing Building)
- 1774 11. Pesticide Storage Building, ca. 1990 (Non-Contributing Building)
- 1775 12. Supply Storage Building, ca. 1990 (Non-Contributing Building)
- 1776 13. Maintenance Area, ca. 1990 (Non-Contributing Structure)
- 1777 14. Picnic/Recreational Area, ca. 1960 (Contributing Site)
- 1778 15. Campground Bathhouses, 1960 (Contributing Building)
- 1779 16. Picnic Pavilion, ca. 1935 (Contributing Building)
- 1780 17. Boat Launch Area, 1983 (Non-Contributing Site)
- 1781 18. State Route 101 Bridge, 1937 (Contributing Structure)

1783

**Wilbur (Greene County, TN) – Eligible**

- 1784 1. Wilbur Dam, 1924 (Contributing Structure)
- 1785 2. Wilbur Powerhouse, 1924 (Contributing Building)

1787

1788 **Wilson (Colbert and Lauderdale Counties, AL)- National Historic Landmark**

- 1789 1. Wilson Dam, 1925 (Contributing Structure)  
1790 2. Wilson Powerhouse, 1925 (Contributing Building)  
1791 3. Wilson Lock, 1925 (Contributing Structure)  
1792

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## Appendix G

### ELIGIBILITY STATUS FOR FOSSIL AND NUCLEAR BUILDINGS AND STRUCTURES

#### Fossil Plants

Plant	Construction Date	NRHP Evaluation	Eligible Structures	Consultation Consensus
Allen	1956-1959	Ineligible	None	2014
Bowling Green*	1931	Ineligible §	None	2011
Bull Run	1962-1967	Unassessed	Unassessed	None
Colbert*	1951-1955	Ineligible	None	2010
Cumberland	1968-1973	Ineligible	None	2003
John Sevier*	1952-1957	Eligible	Powerhouse + 31 contributing elements	Original: 2008 MOA in 2013
Johnsonville	1949-1951	Ineligible	None	2001, 2006, 2015
Kingston	1951-1955	Ineligible	None	2010
Gallatin	1953-1956	Ineligible	None	2012
Paradise	1959-1962	Ineligible	None	2013
Shawnee	1951-1953	Listed	Powerhouse + 25 contributing elements	2014 MOA in 2015
Watts Bar*	1940-1945	Eligible	Powerhouse	MOA in 2007; Amended 2011
Widows Creek	1950-1960	Ineligible	None	2011

\* Plant demolished.

#### Nuclear plants

Plant	Construction Date	NRHP Evaluation	Eligible Structures	Consultation Consensus
Brown's Ferry	1956-1959	Eligible	Not evaluated	None <sup>3</sup>
Bellefonte	1979-1988 <sup>1</sup>	Unevaluated	Not evaluated	None <sup>2</sup>
Sequoyah	1962-1967	Ineligible	Not evaluated	None
Watts Bar	1951-1955	Ineligible	Not evaluated	None